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(54) **Multicoloured foil**

(57) Security document comprising a security part comprising a foil area comprising at least two visually distinguishable areas, wherein a first area has a first colour and a second area has a colour that is different and visually distinguishable therefrom.

In an embodiment further public security character-

istics that are visually perceptible by the general public have been provided in the first area, and further security characteristics have been provided within the second area.

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Description

[0001] The invention relates to a security document provided with a foil security part.

[0002] It is known to provide security documents, such as banknotes, with a security characteristic, such as a foil area, particularly provided with a metal foil area.

[0003] The advantage of the foil area or part is that it cannot be copied, particularly not by means of a colour photocopier or computer peripheral equipment such as a colour laser printer or inkjet colour printer. Such foil as a result turns out to be a very good security element, because first of all it can easily be perceived by the public, and is hard to copy, the more so as in such a foil area highly advanced further security characteristics can be provided. The security can furthermore be improved by providing the foil with a metal foil area.

[0004] In WO-A1-95/16574 a security document is described which is provided with a foil area that is subdivided into two areas each having a different structure as a result of which they are visually distinguishable.

[0005] In US-A-4.352.706 a metal foil is provided on a security document, particularly in such a manner that at a first angle a first image is visible and at a second angle an image that differs from the first is visible.

[0006] In US-A-5.009.486 a security characteristic is described provided with a coating that is built up such that interference effects occur as a result of which at a first angle a first colour is perceived and at a second angle a second colour.

[0007] WO-A1-2004/014665 regards a security characteristic comprising a metal foil layer of which locally the thickness is reduced so that visually distinguishable areas can be perceived.

[0008] The said characteristics all are so-called public characteristics that are visually easy to perceive and that enable the general public to verify whether or not a document is authentic. Characteristic for these security characteristics is that by means of a technique that is not available to the general public a visual effect is caused.

[0009] When, however, various different additional security characteristics have been provided in a foil area, the foil area has become complex and the public might get confused as to whether the foil area is authentic.

[0010] Therefore there is a need for a further security characteristic.

[0011] Moreover there is a need for improvement of the foil area as a security characteristic.

[0012] To that end the invention relates to a security document comprising a security part comprising a foil area comprising at least two visually distinguishable areas, wherein a first area has a first colour and a second area has a colour that is different and visually distinguishable therefrom.

[0013] By separating two areas that are thus easily visually distinguishable, it is easy for the public to verify

whether the foil area is authentic and genuine, and more particularly whether the security characteristics provided for that target group are there.

[0014] In security documents, particularly banknotes, the security characteristics are subdivided into several groups or levels, namely:

- first-degree characteristics: for the public in general;
- second-degree characteristics: for shop keepers, tellers and other professionals handling money;
- third-degree characteristics: machine readable characteristics for use beyond national banks, for instance by automatons, cash dispensers (ATMs), sorting machines, cash recycle machines, and the like;
- fourth-degree characteristics: machine readable characteristics for central banks, such as the European Central Bank or De Nederlandsche Bank;
- fifth-degree characteristics; for banknote experts such as for forensic research.

[0015] In an embodiment of the security document according to the invention further public security characteristics that are visually perceptible by the general public have been provided within the first area, and within the second area further security characteristics have been provided. As a result the general public can easily visually verify whether a security document, and particularly the foil area thereon, is authentic. Preferably the further security characteristics are not visually perceptible just like that, particularly not without using aids intended especially for that purpose. As a result it is easier for various target groups to check the authenticity, as the further characteristics intended for said target group are all placed in a visually easily recognisable area.

[0016] In a further or other embodiment the first area has a different texture than the second area.

[0017] In a further or alternative embodiment the first area has a different gloss than the second area.

[0018] In a further or alternative embodiment the foil area comprises several areas, and the areas are distinct from each other because of colour differences. In this embodiment preferably several, for instance adjacent, areas can be distinguished. All these areas may have a different colour. Another possibility is to give adjacent areas different colours, that means visually distinguishable colours. Preferably, in general, the colours and differences are selected such that they also show a distinction to for instance the colourblind.

[0019] In an embodiment the areas with a colour are provided with a transparent colour, preferably a transparent layer. As a result further visible security characteristics can be incorporated in or under the layer.

[0020] In an embodiment at least one area comprises a metal layer, preferably a metal foil layer. A metal foil layer is not easily reproduced. Moreover the metal layer can be seen through the transparent coloured layer, and

further advanced security characteristics can be provided in or on the metal foil.

[0021] In an embodiment at least one area is colourless transparent. In that case the colour is determined by the transparent layer and/or glue layer, and/or the (local) colour of the lower layer is visible, usually the carrier of the security document. In case of a banknote the local colour, or image/image part of the banknote.

[0022] In an embodiment the public security characteristics have been provided in or on a layer of the foil area, for instance on the metal foil, or in the form of parts cut away from the metal foil.

[0023] In an embodiment the further security characteristics have been provided in or on the foil area.

[0024] In an embodiment the foil area comprises at least one metal foil area, of which at least one part of the surface is provided with at least one additional coloured layer, preferably a transparent or translucent coloured layer.

[0025] In an embodiment first-degree security characteristics have been incorporated in at least one first area, and in at least one second area security characteristics selected from the group of second-degree, third-degree, fourth-degree and fifth-degree security characteristics.

[0026] In an embodiment no first-degree security characteristics have been provided in at least one area with security characteristics selected from the group of second-degree, third-degree, fourth-degree and fifth-degree security characteristics.

[0027] In an embodiment no security characteristics selected from the group of second-degree, third-degree, fourth-degree and fifth-degree security characteristics have been provided in an area with first-degree security characteristics.

[0028] In an embodiment the foil area comprises at least one first area and at least one second area.

[0029] In an embodiment the areas connect to each other, preferably seamlessly. As a result an additional difficulty is created offering extra protection.

[0030] A foil area or foil part on security documents, such as banknotes, usually comprise a metal layer, usually aluminium, but possibly copper or another metal, in an embodiment a metal foil. Said layer usually is provided with mostly a synthetic protective layer. The foil area often is provided on the carrier by means of a glue layer. Security characteristics may be incorporated in or on the protective layer, in or on the metal layer or metal foil, and even in the glue layer. A foil area according to the invention may if so desired comprise several metal foil areas, wherein in a further embodiment one or more metal foil areas are at least partially provided with one or more coloured transparent layers. As result areas that are visually distinguishable to the public are created. In or on one or more of said areas further public security characteristics may be provided, that means security characteristics that can be recognised as such by the public.

[0031] For the foil area according to the invention in one embodiment an additional translucent coloured layer is provided on the metal foil layer. Another option is to provide the (colourless transparent) protective layer with a colourant.

[0032] Another aspect of the invention regards a security document comprising a security part comprising a foil area, wherein the foil area comprises at least one metal foil area, wherein at least a part of the metal foil area is provided with a transparent, coloured layer.

[0033] In an embodiment the transparent coloured layer is provided on the metal foil.

[0034] In a further embodiment the metal foil area is provided with at least two areas each having a transparent, coloured layer having a different, visually distinguishable colour. Alternatively the foil itself may be locally coloured.

[0035] All embodiments mentioned can be combined, as a result of which the possibilities for an even better security increase. It is of importance that the foil area has at least two areas, which to the public are visually distinguishable by their colour. Further security characteristics are divided over the various areas in a predetermined way. In an embodiment the areas connect to each other, preferably seamlessly.

[0036] The invention further regards a security document provided with a foil area, and further image elements provided on the security document in a visually perceptible manner, which image elements include among others see-through registers, watermarks, printed image elements, visually perceptible tactile elements, wherein the foil area and the further visually perceptible image elements together form an image, or enhance the visual attention to each other. As a result the mutual positioning of the various parts, that are provided in several operations, becomes critical, which ensures an extra security that is visually easy to verify. In addition the user's attention is drawn to an important area, and it entices further inspection, which is beneficial to the security. Further, as the composition as a whole is visually "correct" and shows coherence, the authenticity can be assessed even without direct comparison with a specimen of which one is sure that it is authentic.

[0037] The invention further regards a security document provided with a foil area provided with at least two visually distinguishable areas, wherein the first area at a first angle of observation has a first colour, and the second area at a second angle of observation that differs from the first angle of observation has a second colour that is different from the first colour and is visually distinguishable therefrom.

[0038] In an embodiment further public characteristics may be incorporated in one of either areas and in the second area further security characteristics or authenticity characteristics. Further characteristics described in this description may if so desired be combined therewith for an additional security.

[0039] The invention further regards a foil area, in-

tended and suitable as foil area on a security document as described above.

[0040] The invention will be elucidated on the basis of a number of exemplary embodiments shown in the attached drawings, in which:

Figure 1 shows a security document provided with a foil area according to an embodiment of the invention;

Figure 2 shows an alternative foil area according to the invention;

Figure 3 shows a security document provided with an alternative foil area according to the invention;

Figure 4 shows an alternative foil area according to the invention;

Figure 5 shows different possible shapes of the foil area;

Figure 6 shows alternative shapes for a foil area extending over the full width of a security document;

Figure 7 shows a security document provided with a foil area having an overprint over the foil area;

Figure 8 shows an alternative embodiment of a security document of figure 7;

Figure 9 shows a security document provided with a foil area having tactile elements on the foil area;

Figure 10 shows an alternative embodiment of figure 9;

Figure 11 shows a further example of a security by means of a foil having different visually perceptible areas;

Figure 12 shows different ways a, b, c and d in which public may move for instance a banknote to make the image visible;

Figures 13A and 13B show a movement of a banknote that appears to have the general public's preference (corresponds to figure 12A, north-south tilting);

Figures 14A, 14B and 14C show an example of an image that shows a visually different image at different angles, wherein the images have a logic connection;

Figures 15A-15C just like figures 14 show an example of an image that differs at different angles, yet has a logic connection;

Figure 16 shows a further security characteristic based on a foil, considered from the rear side of the note;

Figure 17 shows yet a further security characteristic based on a foil, visually adjustable to the foil design by the print;

Figure 18 shows yet a further security characteristic based on a foil, by providing a tactile discernible print;

Figure 19 shows a schematic example of a sandwich of a base print, a foil and an overprint;

Figure 20 shows an example of a banknote provided with the security characteristic of figure 11.

[0041] In figure 1 a security document 1 provided with a foil area 2 is shown. The foil area in this case is round and has three distinguishable areas, namely a mid-area 3 having a first colour, an area 4 surrounding it and having a second colour and a transparent area 5 surrounding that. Due to the colour the foil area can be divided into two colour areas 3 and 4. In addition a metal foil may be provided underneath the mid-area in the foil, which metal foil may also extend over the area 4 surrounding it. Moreover by providing security characteristics in the metal foil, such as holograms, high resolution structures, such as micro lines, micro diffraction structures, nano structures, small to very small texts, high-reflection structures that may or may not be combined with low-reflection structures, small perforations, transparent areas, and by distributing them over these areas, the possibility is created of verifying whether or not the foil area is indeed authentic. For instance one or more of the said security characteristics can be provided in the mid-area 3 only. Some security characteristics may also be provided in the mid-area 3, and others in the area 4 surrounding it.

[0042] By providing areas with text wherein the metal layer has been removed, such as for instance the currency symbol of the Euro or the like or incorporating small images or flags such as stars, music, signs, and autographs in one of either coloured parts, and optionally a characteristic that is easily perceptible by the public, such as for instance a hologram or the like, in the second colour part, two clearly distinguishable areas are created that are easily perceptible to the public. The public can therefore address one of either colour areas when verifying, as the security characteristics important to the public have been incorporated therein. The security characteristics that are not intended for the public may be incorporated in the second colour area.

[0043] Figure 2 shows an alternative embodiment of a foil area 2 according to the invention, wherein again a first mid-colour area 3 is present, and surrounding it several colour areas 4, 4', 4'', 4''', in this example each hav-

ing a different colour. If so desired the colours may gradually merge from the one colour into the other colour. The foil area is again provided with a transparent edge 5.

[0044] In each distinguishable colour area for instance another security characteristic can be incorporated, which may or may not be a public characteristic or a further security characteristic. In addition metal foil may be provided underneath the entire colour area, or parts or areas thereof. In an embodiment the colour areas have been provided on the metal foil, and over it a colourless, transparent synthetic protective foil has been provided that extends beyond the metal foil and as a result forms the transparent colourless edge.

[0045] Figure 3 shows an alternative embodiment of a security document 1 provided with a foil area 2. In this case the foil area 2 extends over a small part of the longitudinal axis, and over the full width of the security document.

[0046] The foil part 2 again is provided with a first colour area 3, a second colour area 4 and colourless, transparent parts 5 along the edges.

[0047] Figure 4 shows an alternative embodiment of the foil part of figure 3, wherein this time the colourless, transparent edge extends around the foil area. The overall foil area here extends over the overall width of the security document. The metal foil area here has a first colour area 3 and further colour areas adjacent thereto and extending to the transparent edge. Said colour areas are indicated with the numbers 4, 4', 4" and 4"', wherein each area has a different colour.

[0048] Figure 5 shows various possible shapes of the foil area. The various areas may have the same contour. The contours may also differ to such an extent that two or more areas together emphasise the contour or form a depiction therewith.

[0049] Figures 6A-F show more alternative embodiments of a foil area extending over the full width of a security document. The edges are not straight in that case, and in some embodiments they are not even continuous.

[0050] Figure 7 shows a security document according to the invention provided with a foil area 2 having a first colour area 3, a second colour area 4 and a colourless, transparent edge 5 around the foil area 2. A print 6 has been provided on the security document extending over both the security document surface and over the foil area 2. Preferably said overprint 6 is provided such that it extends continuously from the security document 1 over the foil area 2.

[0051] Figure 8 shows an alternative embodiment of the security document 1 of figure 7, wherein the foil area 2 extends over almost the full width of the security document 1. Again an overprint 6 is provided that runs over the security document 1 where it is not provided with a foil area as well as over the foil area 2. One of the overprint parts 6 here runs over the full foil area 2 such that it extends at both sides of the foil area 2 on the surface of the security document 1 where the foil area 2 does

not extend.

[0052] Figure 9 shows an embodiment of a security document 1 provided with a foil area 2. The foil area 2 is provided here with a first colour area 3, a second colour area 4 and a colourless transparent edge 5, as has already been described before. A tactile element 7 has been provided on the foil area 2. Such tactile areas 7 in a banknote can be felt better on a smooth basis such as the foil area 2. Optionally the tactile element or elements may extend over the foil area 2 and over a part of the document 1 where there is no foil area, preferably continuously. As a result the tactile areas 7 are better perceptible to the general public as well as to the visually handicapped. The transition from a surface of the security document 1 to the foil area 2 and from the foil area 2 to the tactile element 7 is after all better perceptible.

[0053] Figure 10 shows an alternative embodiment of figure 9, wherein the foil area 2 extends over (almost the full) width of the security document 1. The foil area 2 in this case is provided with a first colour area 3, a second colour area 4 and colourless transparent strips 5 which extend along the foil area 2 and indicate the transition from the foil area 2 to the rest of the security document 1.

[0054] One of either colour areas is provided with tactile elements 7 on the foil area 2. If so desired either the one or the other colour area may be provided with a tactile element 7, or both colour areas 3, 4 can be provided with distinguishable tactile elements 7. If so desired the tactile elements 7 may also extend over the full foil area 2 and if so desired continue on a part of the security document 1 that has not been provided with such a foil area 2.

[0055] Under the coloured areas metal foil may be provided, even several metal foil areas, even of different metals.

[0056] Figure 11 shows a further exemplary embodiment of a security characteristic according to the invention, wherein again a security document 1 is provided with a foil area 2. An indication has been provided over the foil area 2 by means of printing 6. In case of a banknote said indication may for instance be the denomination in print. The foil area 2 is provided with an area having a first colour 3, and an area having a second colour 4. The colour area 4 furthermore has been given a clearly distinguishable shape so that it strikes even more with respect to the colour area 3. In this colour area 4 for instance the public characteristics may be incorporated that are easy to perceive by the public. An example of such public characteristics may for instance be a hologram image or another technical characteristic that is easy to perceive by the public such as for instance a characteristic wherein an image changes colour or something like that. Such security characteristics are generally known per se in the art. The foil web 2 is further provided with a transparent part 5 through which the underlying print of the security document can be seen. Furthermore an indication 8 has been incorporated in the foil web, which indication 8 corresponds to the indication

6 printed over the foil, the indication 6 provided by means of printing. As a result the public can again easily verify whether the foil web is authentic and whether the foil web belongs to the document.

[0057] A security document may furthermore be provided with a security characteristic of which for instance the colour changes when the viewing angle changes. At the start of the introduction to the description a number of such characteristics were mentioned, such as for instance holograms, interference coating layers, metal foils on which various treatments have been performed such as changes in thickness and the like. There are various possibilities to make the various images or depictions visible, for instance by tilting the document 1 about a longitudinal axis (north-south, N,S) or moving it north-south (shown in figure 12A), or reciprocally moving or rotating it about a latitudinal axis (W, E, figure 12B), or rotating it anticlockwise (+, figure 12C) or clockwise (-, figure 12D).

[0058] Tests proved that the general public prefers tilting a banknote about the longitudinal axis as shown in figures 13A and 13B, wherein the public usually first looks at the normal viewing angle, indicated with B, subsequently tilts +60°, indicated with C, and then tilts -30° indicated with indication A.

[0059] The security against counterfeiting by means of three holographic depictions in the foil, that can each be made individually visible in the manner as shown in figure 13 is furthermore considerably increased when each of the depictions is based on one or more different holographic techniques. A selection can among others be made from:

- holographic image elements based on either a symmetrical or asymmetrical line structure;
- holographic image elements based on either a line or dot grid;
- parallel line structures and cross gratings;
- variation of line orientation in both horizontal and vertical or azimuth direction;
- variation of the resolution of the line and/or dot grids, for instance 600 lines/nm for image A, 1000 lines/nm for image B and 1400 lines/nm for image C;
- so-called lenticular? structures (such as the Fresnel lens);
- so-called 'pumping effects';
- combinations of the above-mentioned techniques in a single holographic image or depiction.

[0060] Tests showed that the public considers a combination of three different holographic depictions or images rather much. When two depictions have to suffice, the mid position, depiction B of figure 13A and 13B has to be cancelled. For that matter it is recommendable that the 2 or 3 depictions do not overlap too much, that means that the public can clearly perceive the various holographic images individually at the different angles

of perception. The different depictions preferably are provided at the same position on the document.

[0061] Designs for the public part can be made based on structures (pixels and lines) and based on colour. An interplay between these two affords the most protection, figure 14 and 15 are examples of this.

[0062] Figures 14A-14C show a foil security characteristic provided with three areas 1, 2 and 3. The traffic light contains clear colour information, whereas the car, designed in a line structure, drives from green to red when the viewing angle changes.

[0063] Figure 14A corresponds to a viewing angle of approximately +60° of figure 13A, position C and shows a green traffic light. Figure 14B corresponds to a normal viewing angle of approximately 0° of figure 13A (position B) and shows a yellow traffic light. Figure 14C shows the foil element at a viewing angle of approximately -30° of figure 13A, that means position A, and shows a red traffic light. Due to the playful nature of the series of depictions the foil element entices further inspection.

[0064] The characteristic shown may optionally be combined with other characteristics described herein.

[0065] Figures 15A-15C like figure 14 show a foil security characteristic provided with three areas 1, 2 and 3. In this example the colour information is incorporated in the light signal emitted by the lighthouse. The areas 1, 2 and 3 each have their own colour, for instance changing from blue (area 1), through yellow (area 2) to red (area 3). The line structure information in this case is incorporated in the lighthouse cabin, for instance by creating a 3D-effect. This foil element has three areas, each having their own visually distinguishable colour.

[0066] Figure 16 shows, as considered from the rear side of the document, a foil area 2 on a security document 1, wherein the foil area 2 is provided with a transparent part 5 and a first colour area 4, in this case a piece of a jig-saw puzzle, and a second area 3, in this case having the shape of a little human figure with raised hands. A transparent contour is left free around the little human figure. When the note or security document is held against the light, the full area 3 is visible, for instance because with transparent parts, for instance in the form of little circles, the shape of the little human figure is cut away.

[0067] The first colour area 4, in this case a piece of a jig-saw puzzle, in which the second colour area 3 is provided, are in register and form a see-through register. When the note or security document 1 is held against the light the full area 4 becomes visible, otherwise only a part thereof, namely colour area 3 having the transparent frame.

[0068] Figure 17 shows yet another embodiment of the foil characteristic according to the invention, wherein a security document 1 is provided with a foil area 2 provided with a transparent part 5, a first colour area 4 in the shape of a piece of a jig-saw puzzle in which further public characteristics can be incorporated, a second colour area (in this case formed by the transparent part 5

that is provided over a basis having a certain colour or which has a colour itself), and a foil element 7 as further colour area that continues in the print elements 6. The foil area 2 thus forms a visually continuing unity with the elements of print parts 6. Moreover the parts 6 provided by means of printing, due to their shape and order emphasise the colour area 4 that is provided for the public. As a result the public's attention is drawn to the colour area 4. Colour area 7 of figure 17 can either be incorporated as a foil element or as a print element (part of print parts 6).

[0069] Figure 18 shows another embodiment in which a security document 1 is provided with a foil part 2 provided with a transparent part 4 and a first colour area 3 in the shape of a piece of a jig-saw puzzle. The foil is partially overprinted by colour area 5, which is designed as a tactile characteristic.

[0070] Figure 19 shows a laminate of a print layer 1 provided underneath for instance by means of offset or screen printing, or a combination thereof, also called base print. Over it a foil layer 2 is provided in which the characteristics according to the invention or other characteristics have been provided. Over said foil layer 2 yet a further print layer 3 has been provided. The foil layer 3 is thus clamped in between two printing courses 1 and 3. The various printed image elements and the foil may together, as for instance shown in the various preceding figures, form an image or depiction or a coherent unity. In addition the various depictions together may tell a story. Moreover for instance the print elements may draw the public's attention to the foil security characteristic or the foil security characteristics, which entices further inspection.

[0071] Figure 20 shows a foil as shown before in figure 11, used here on a Euro banknote, the overprint 6 in this case being a value number of 10 Euro and the base print being the usual printing course of a Euro note. In between, between the overprint 6, for instance intaglio, and the standard base print of a banknote, usually a combination of offset technique, a foil web 2 is provided which is provided with the characteristics as already discussed above.

[0072] It will be clear that the above description is included to illustrate the functioning of preferred embodiments of the invention and not to limit the scope of the invention. Starting from the above explanation many variations that fall within the spirit and the scope of the present invention, will be evident to an expert.

Claims

1. Security document comprising a security part comprising a foil area comprising at least two visually distinguishable areas, wherein a first area has a first colour and a second area has a colour that is different and visually distinguishable therefrom.

2. Security document according to claim 1, wherein within the first area further public security characteristics have been provided that are visually perceptible by the general public, and within the second area further security characteristics have been provided.
3. Security document according to claim 1 or 2, wherein the first area has a different texture than the second area.
4. Security document according to claim 1, 2 or 3, wherein the first area has a different gloss than the second area.
5. Security document according to any one of the preceding claims, comprising several areas, wherein the areas are distinct from each other because of colour differences.
6. Security document according to any one of the preceding claims, wherein the areas with a colour are provided with a transparent coloured layer.
7. Security document according to any one of the preceding claims, wherein at least one of the areas comprises a metal layer, preferably a metal foil layer.
8. Security document according to any one of the preceding claims, wherein at least one area is colourless transparent.
9. Security document according to any one of the preceding claims, wherein public security characteristics have been provided in or on the foil layer.
10. Security document according to any one of the preceding claims, wherein the further security characteristics have been provided in or on the foil layer.
11. Security document according to any one of the preceding claims, wherein the foil area comprises a metal foil, of which at least a part of the surface is provided with an additional coloured layer, preferably a transparent coloured layer.
12. Security document according to any one of the preceding claims, wherein in at least one first area first-degree security characteristics have been incorporated, and in at least one second area security characteristics selected from the group of second-degree, third-degree, fourth-degree and fifth-degree security characteristics.
13. Security document according to any one of the preceding claims, wherein in at least one area with security characteristics selected from the group of

second-degree, third-degree, fourth-degree and fifth-degree security characteristics no first-degree security characteristics have been provided.

14. Security document according to any one of the preceding claims, wherein in an area with first-degree security characteristics no security characteristics selected from the group of second-degree, third-degree, fourth-degree and fifth-degree security characteristics have been provided. 5
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15. Security document according to any one of the preceding claims, wherein the foil area comprises at least one first area and at least one second area. 15
16. Security document according to any one of the preceding claims, wherein the foil area comprises at least one metal foil area, wherein at least a part of the metal foil area is provided with a transparent coloured layer. 20
17. Security document comprising a security part comprising a foil area, wherein the foil area comprises at least one metal foil area, wherein at least a part of the metal foil area is provided with a transparent, coloured layer. 25
18. Security document according to claim 16 or 17, wherein the transparent coloured layer is provided on the metal foil. 30
19. Security document according to claim 16-18, wherein the metal foil area is provided with at least two areas each having a transparent, coloured layer having a different, visually distinguishable colour. 35
20. Foil area, intended and suitable as foil area on a security document according to any one of the preceding claims. 40

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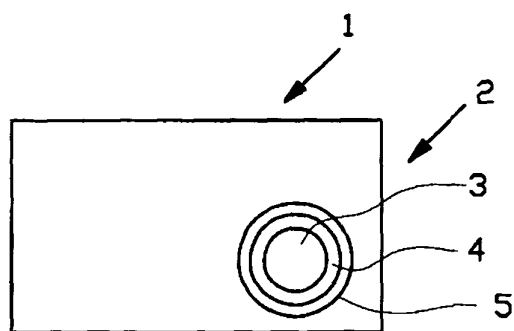


FIG. 1

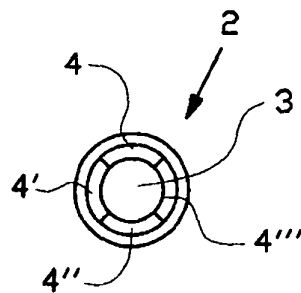


FIG. 2

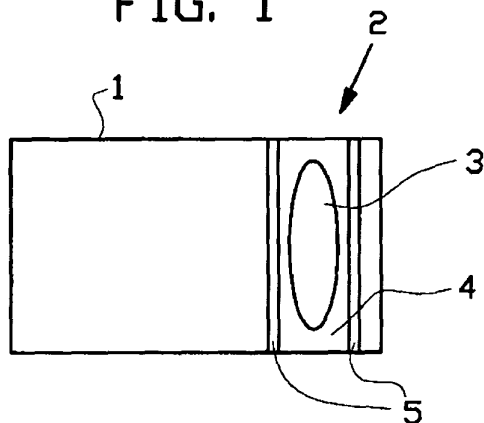


FIG. 3

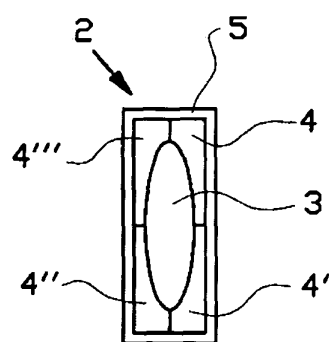


FIG. 4

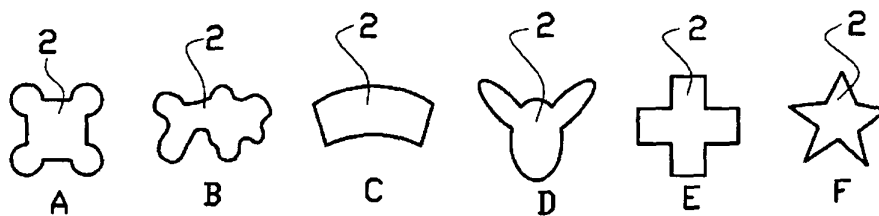


FIG. 5

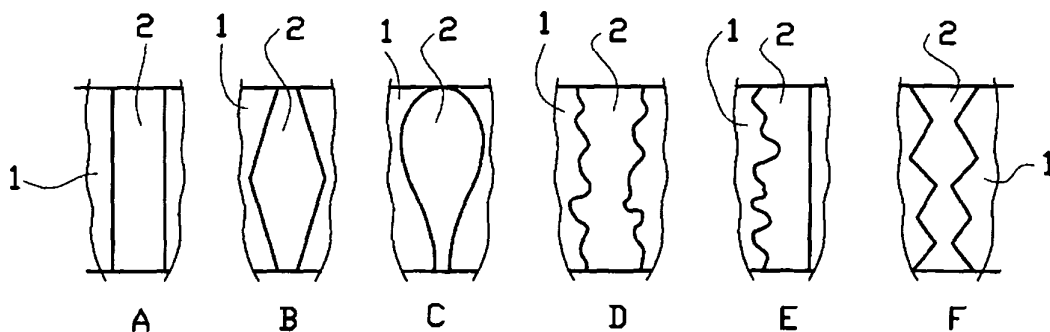


FIG. 6

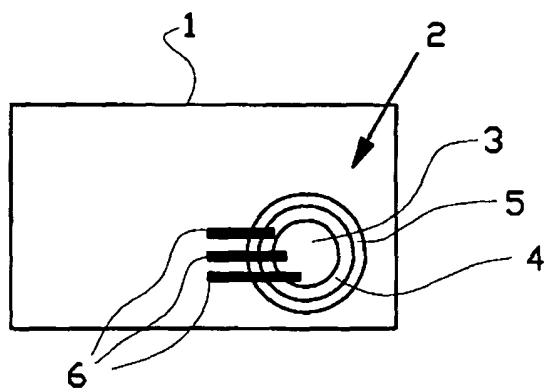


FIG. 7

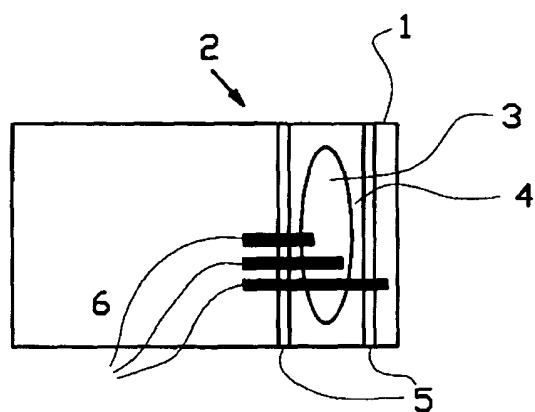


FIG. 8

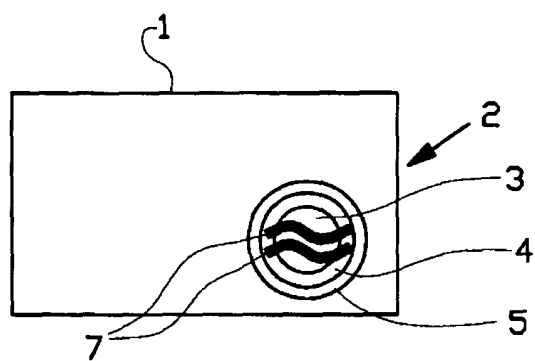


FIG. 9

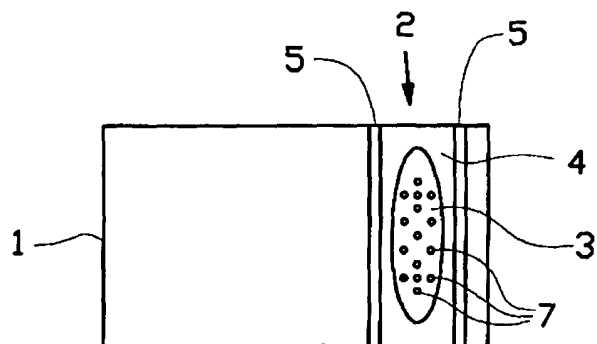


FIG. 10

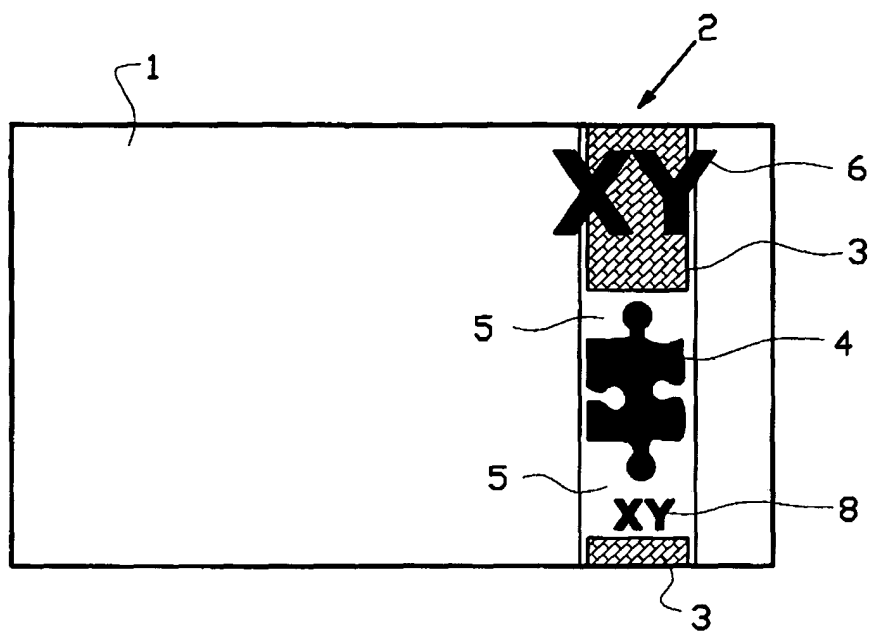


FIG. 11

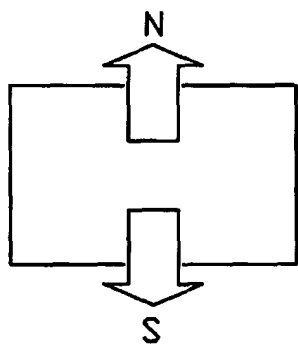


FIG. 12A

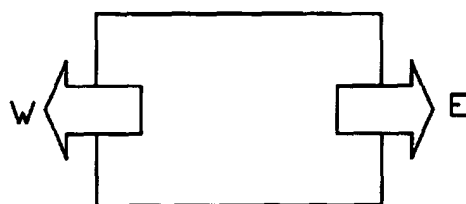


FIG. 12B

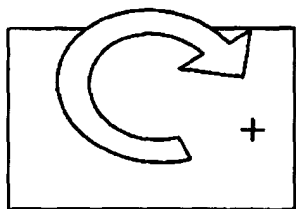


FIG. 12C

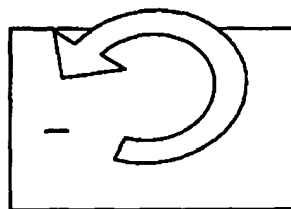


FIG. 12D

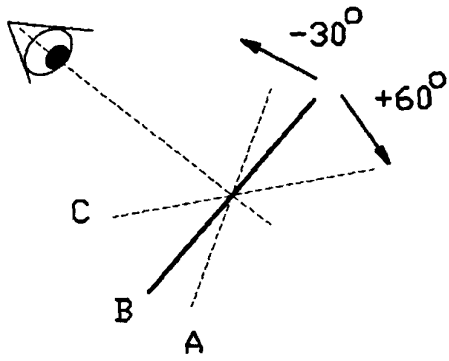


FIG. 13A

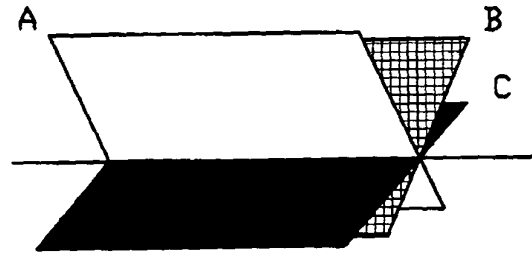


FIG. 13B

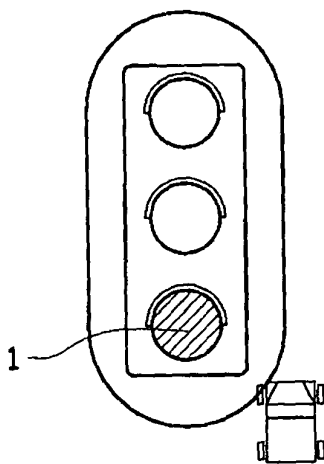


FIG. 14A

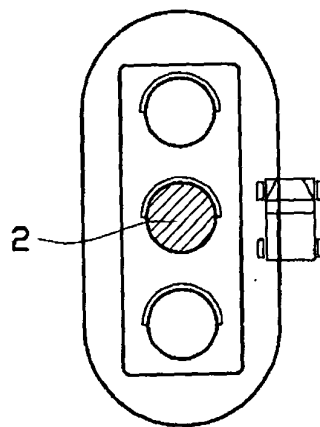


FIG. 14B

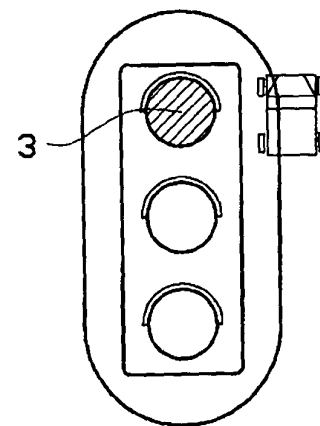


FIG. 14C

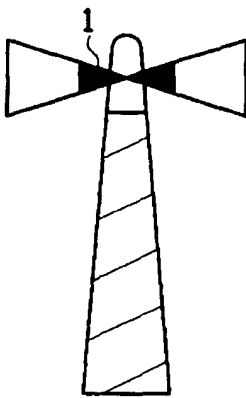


FIG. 15A

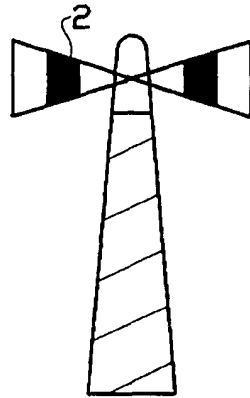


FIG. 15B

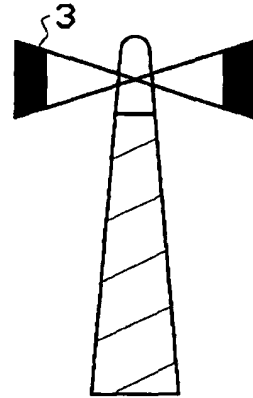


FIG. 15C

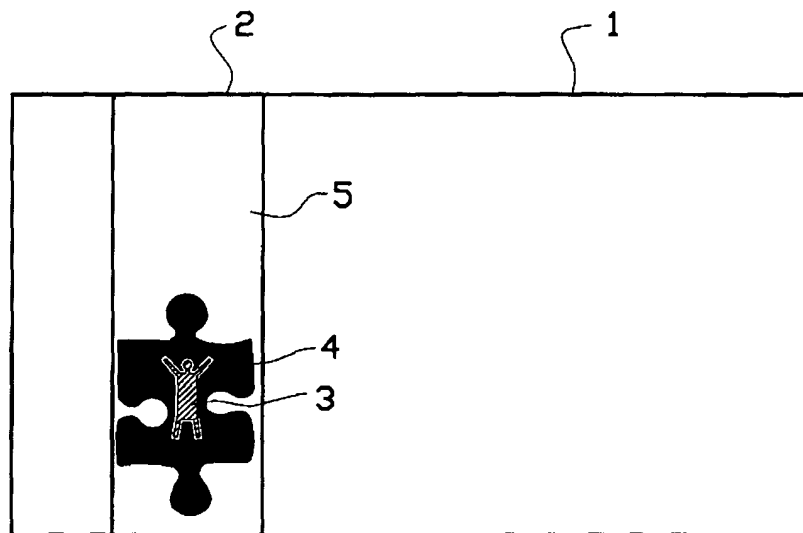


FIG. 16

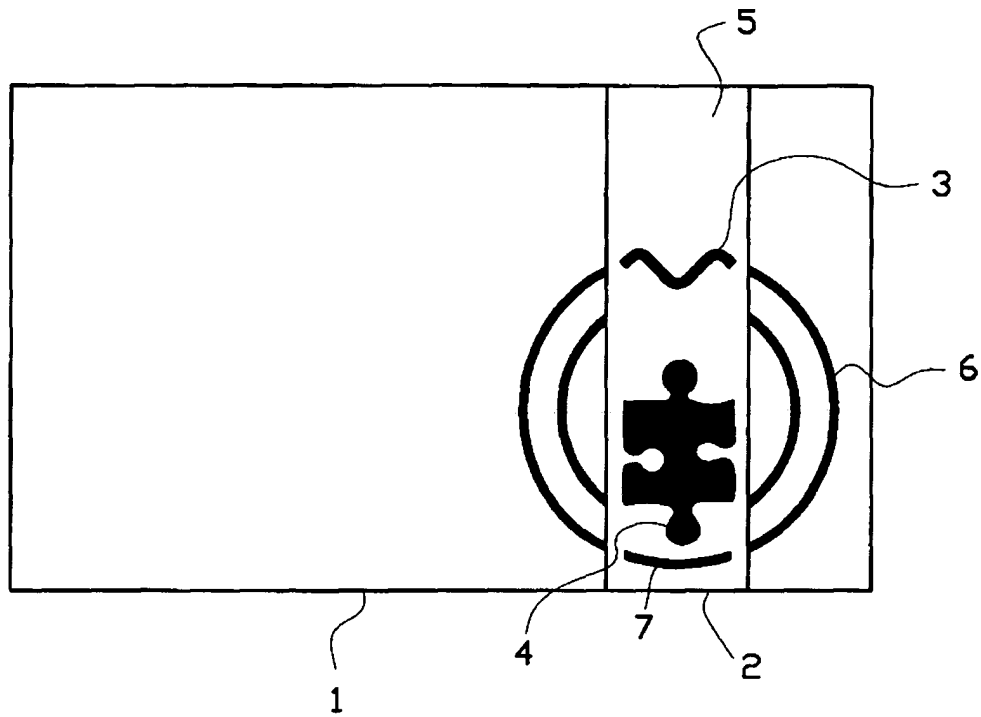


FIG. 17

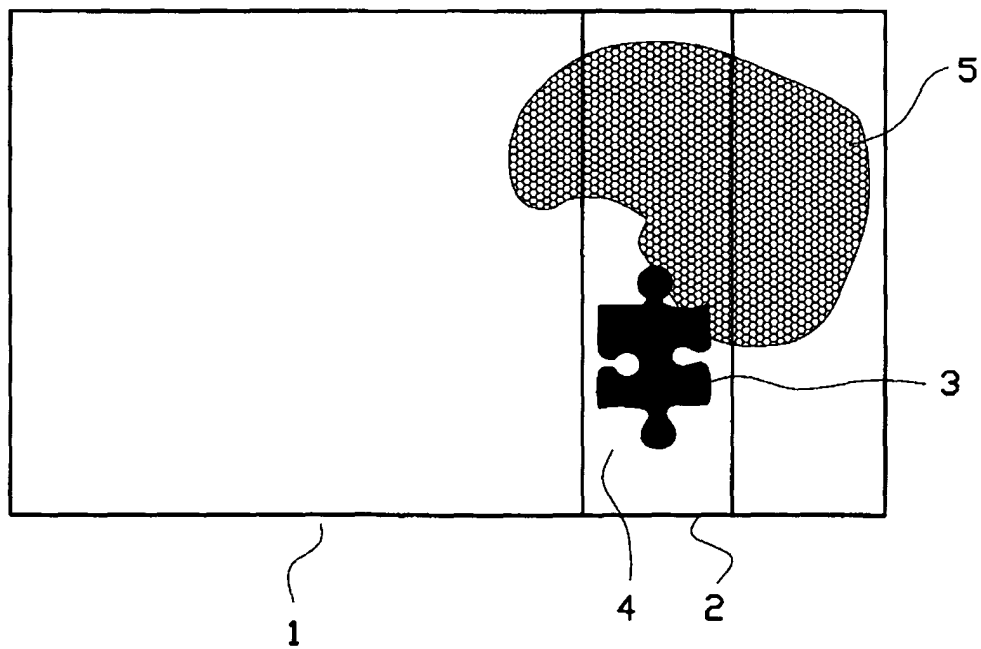


FIG. 18

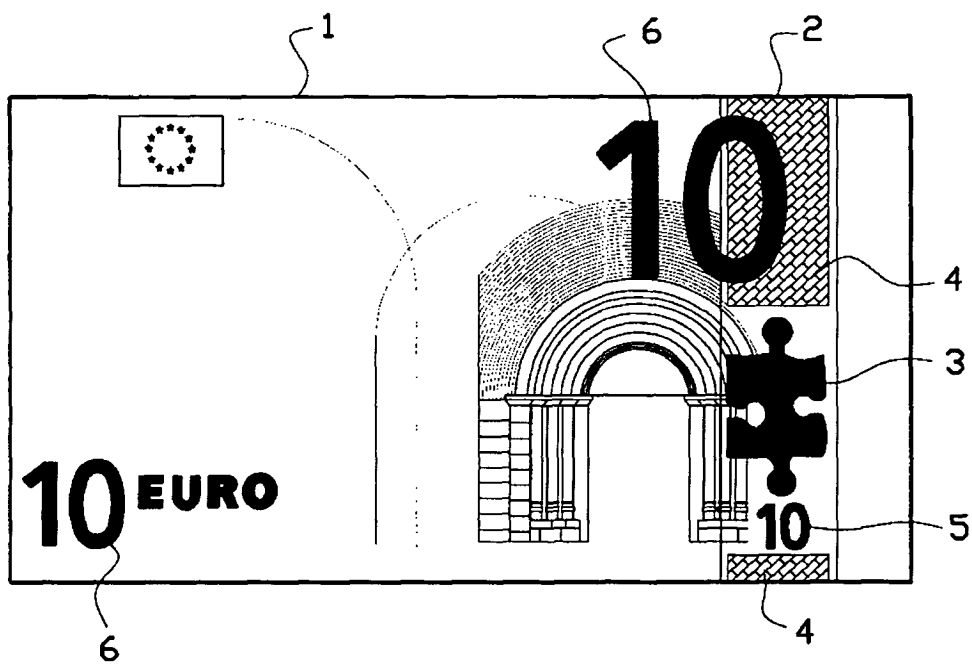
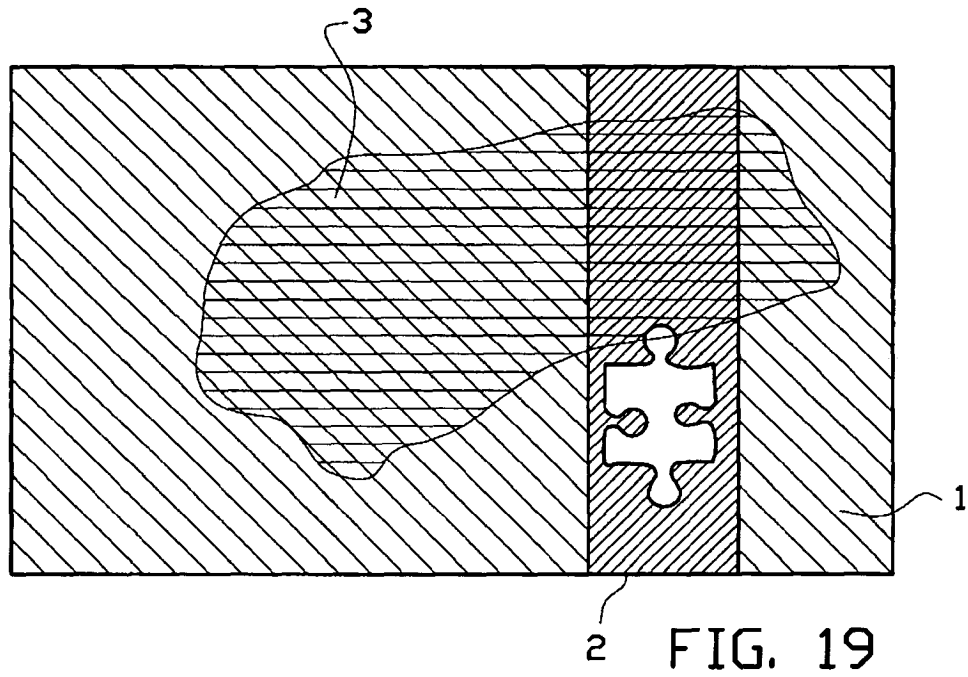


FIG. 20



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 07 5449

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A	US 4 352 706 A (LEE H. MILLER) 5 October 1982 (1982-10-05) * the whole document *	1	B42D15/00
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		18 May 2005	Loncke, J
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