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Europäisches Patentamt
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(11) Publication number:

0 508 033 A1

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **91830410.6**(51) Int. Cl.⁵: **H05K 5/03**, B65D 61/00,
B65D 85/30, B65D 85/38,
G12B 9/02(22) Date of filing: **03.10.91**(30) Priority: **10.04.91 IT SA910004**(43) Date of publication of application:
14.10.92 Bulletin 92/42(84) Designated Contracting States:
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I-84043 Agropoli (SA)(IT)(54) **General protector.**

(57) General Protector has been projected to protect any brittle object such as portable electronic equipment of various dimensions from any possible falls.

These are for example: pocket electronic calculators, remote controls, walkie talkies, cellular telephones, measurements testers, people finders etc.

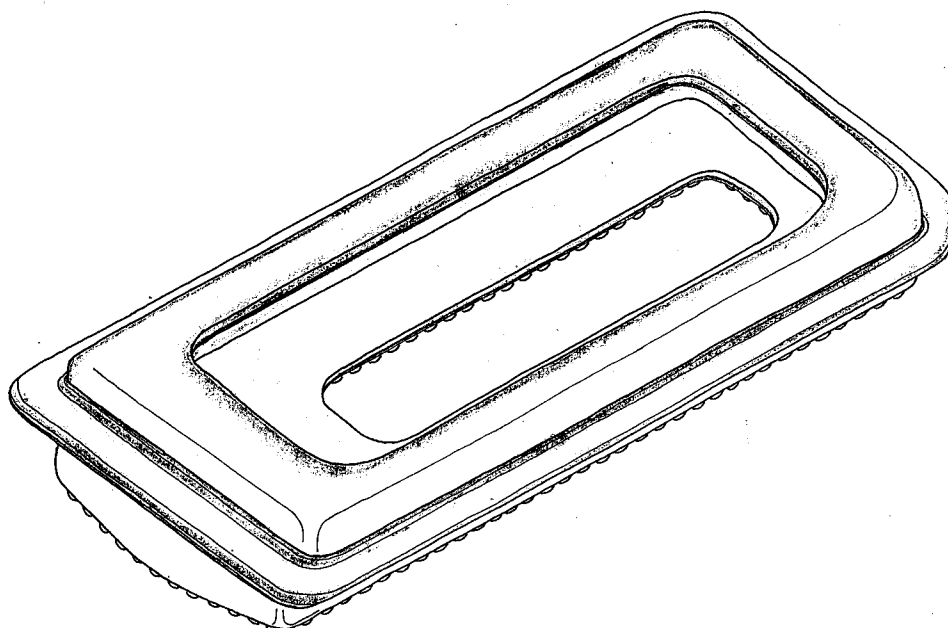
General Protector has been produced in a synthetic elastic material that, thanks to its technical

features can be adapted to various shapes and sizes.

Its shape is rectangular and its dimensions in its natural shape are: 140 mm. in length, 68 mm. in width, 27,5 mm. in thickness.

General Protector is able to contain an object whose dimensions are three times greater than its own original size.

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Description of the industrial invention whose title is "General Protector" (Protettore Generale) by Mr Giovanni PALMA Agropoli, number 8 Modigliani Street.

This invention presents considerable innovative features as regards objects that are particularly brittle.

I particularly refer to electronic equipment of small dimensions such as: walkie talkies, pocket electronic calculators, different remote controls, measurement testers, cellular telephones, people finders etc.

These objects should they fall, can be damaged either externally so to the inside electronic part.

To avoid using a specific protector for each item, I planned to create a device that was capable of adapting to different measurements.

Material that is able to produce a damper effect and includes basic requisites of elasticity and impact energy, must have a polymeric base such as for example: PVC, polyurethane resin, latex.

To avoid the object falling out once inside the protector, curved shapes have been chosen, to which protruding edges were added internally as these are easily adaptable.

To absorb shocks the protector has been encased in a semicylindrical border and, to protect the lower part a lot of little engine cylinders have been created and intercalated with greater elasticity in the remaining parts while the degree of protection remains unchanged.

Such elasticity is necessary to ensure the adaptability in the thickness of the different apparatus that need to be protected.

All above mentioned features have been pointed out in the following description of the drawings.

1) Upper plan.

- Four concentric rectangles with curved edges.
- The external rectangle is the planned projection of a semicylinder that, in form of a ring circumscribes the drawing.
- The following constitutes the upper part of the figure.
- The third is an opening situated in the before mentioned figure that enables clear vision of the lower part.

2) Lower plan.

- Six concentric rectangles with curved borders.
- The external rectangle is the other plan projection of the same semicylinder already mentioned in the description of the upper plan.
- The following is the description of a curved plane that constitutes the lower borders of the design.
- The third is a transition inclined plane.

- The fourth is constituted by the projection of the circular bases made up of 384 small cylinders placed alternately.
- The last but is a cylinder that surrounds the opening of the lower plane which is the last rectangle.

3) Transversal section.

- It is possible to visualize two openings: the upper plane and the lower plane.
- The semicylinder that circumscribes the upper opening and the one that circumscribes the lower opening.
- The little cylinders of the lower plane.
- The transitions inclined planes.
- The curved planes of the lower borders.

4) Isometry.

- It is possible to visualize the volume and the total appearance of the picture.
- It is possible to distinguish the upper plane with borders and curved angles in the central opening through which it is possible to see inside the figure, its lower plane and the opening in this plane.
- It is possible to see clearly the semicylinder that surrounds the entire element.
- The little cylinders situated in the inside and outside borders of the protector are visible.

In practice, features concerning execution, dimensions, materials or shape of the protector, could however change without however going beyond the limits of the object and therefore beyond the field of this industrial monopoly.

Claims

1. General Protector due to its unusual shape and design.
2. General Protector according to the claim 1) is characterized by its adaptability to different shapes and dimensions.
3. General Protector according to previous claims, is characterized by the elasticity of its material, up to three times its original size.
4. General Protector according to the previous claims with specific reference to the design of figure number 2 where 354 circular bases of small cylinders placed alternately on a base which is 1 mm. thick are shown; this latter is clearly indicated in figure number 3. This particular design aims specifically at easy adaptability to the thickness of objects.
5. General Protector according to previous claims has been realized using material whose fea-

tures permit infra-red-rays to pass through, without an opening to this end, while maintaining a high degree of elasticity.

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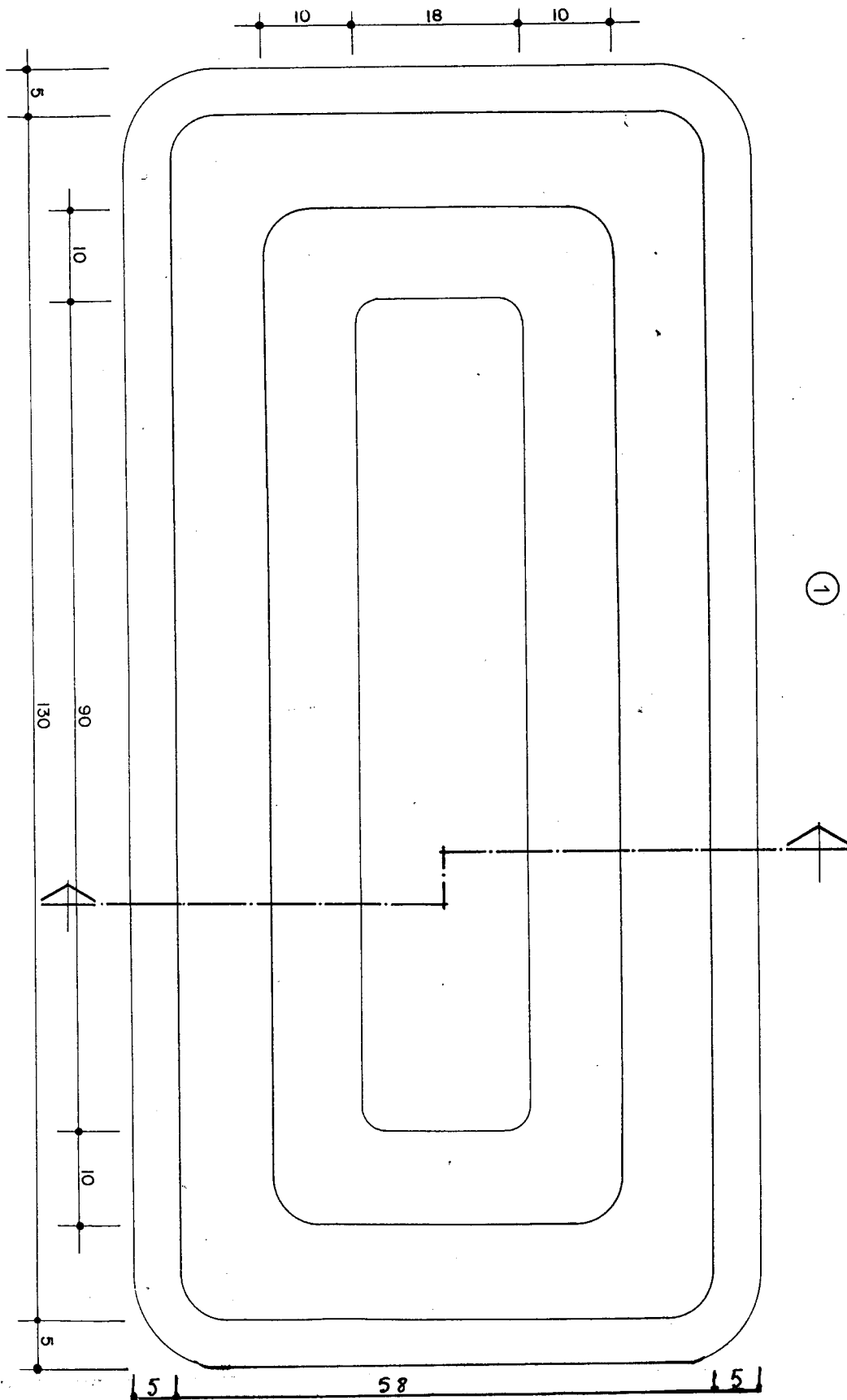
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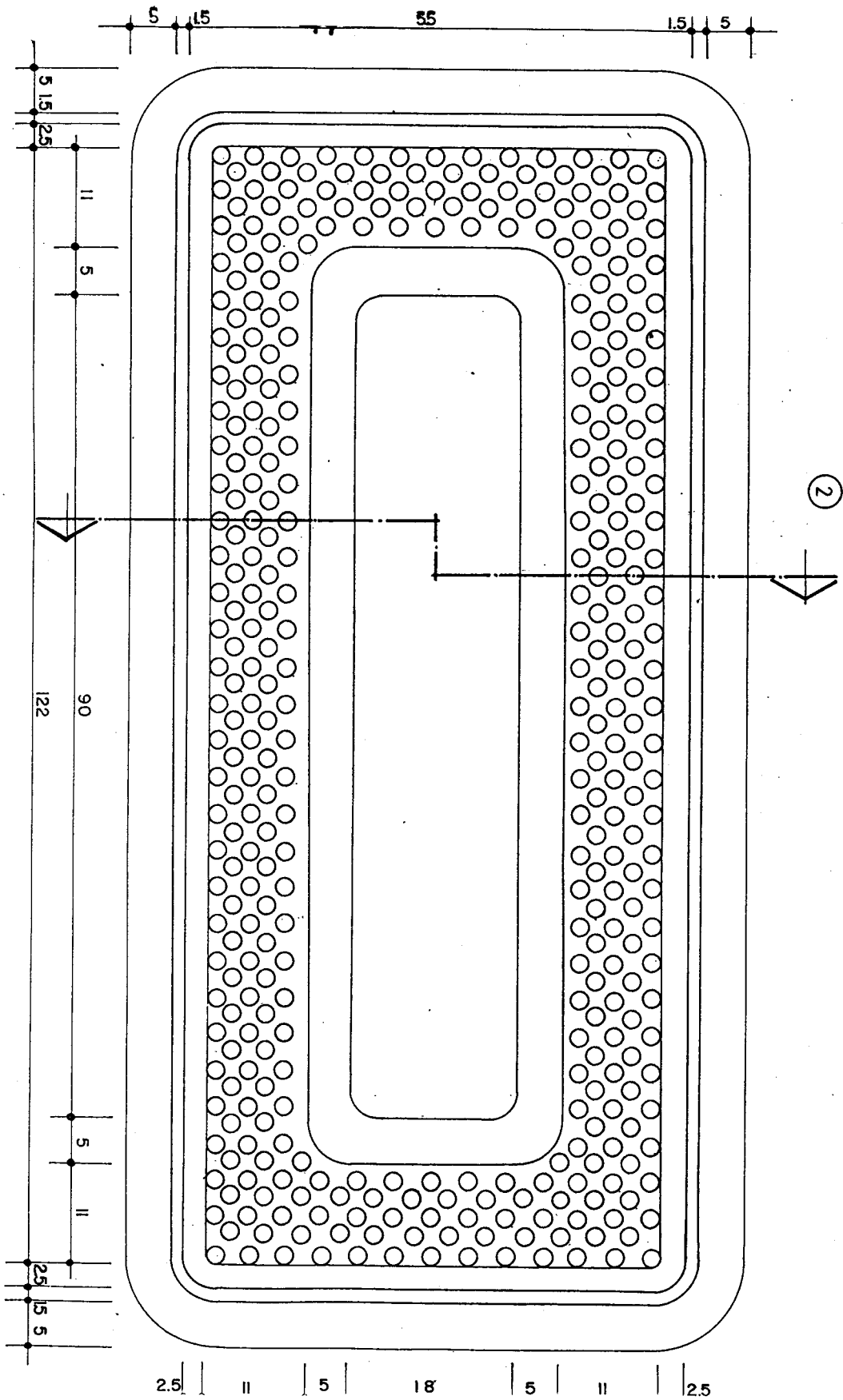
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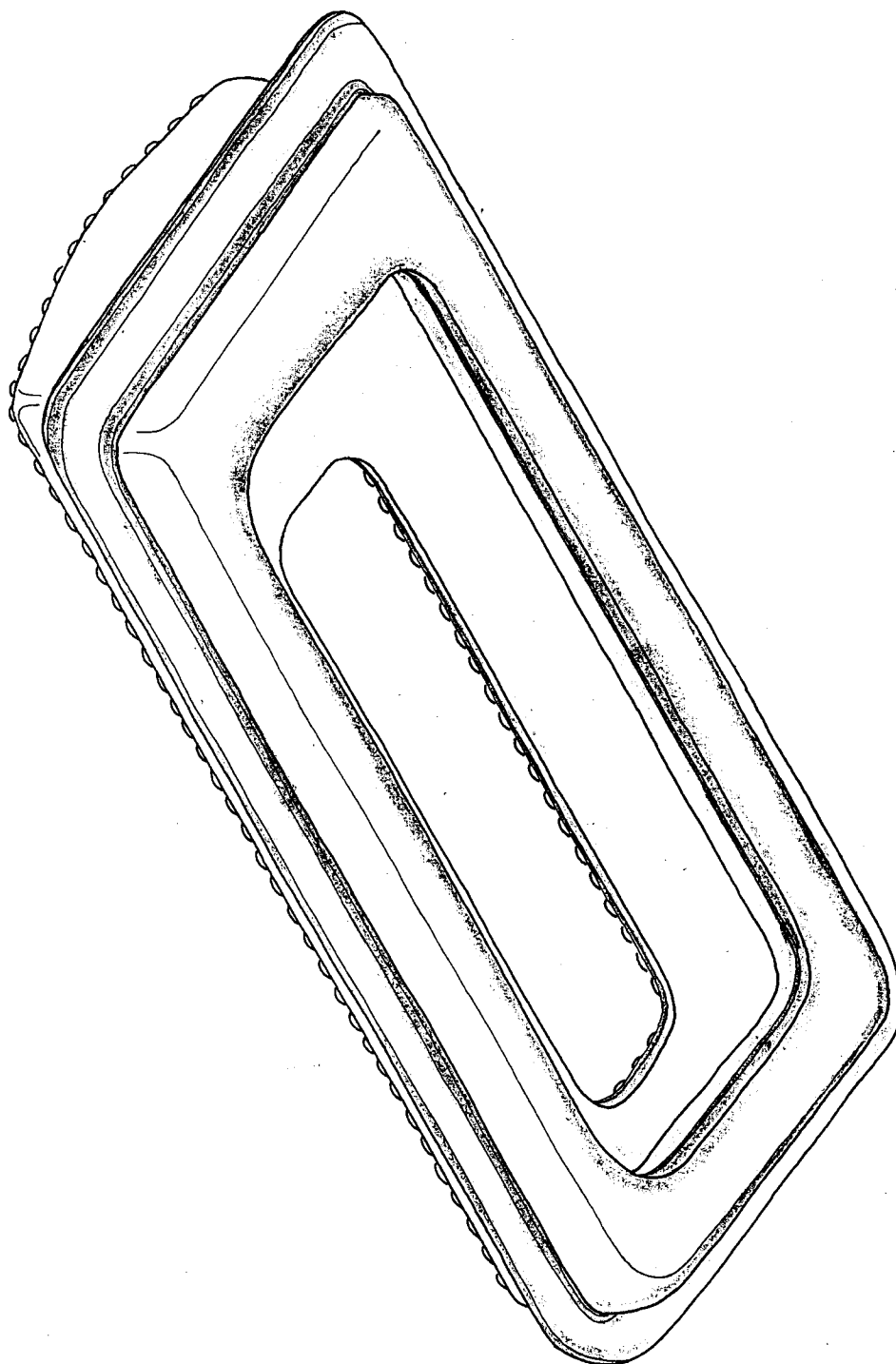
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EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 91830410.6
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	<u>US - A - 4 836 256</u> (MELICONI) * Column 1, lines 40-53 * --	1-5	H 05 K 5/03 B 65 D 61/00 B 65 D 85/30 B 65 D 85/38
A	<u>US - A - 4 733 776</u> (WARD) * Abstract * --	1-5	G 12 B 9/02
A	<u>US - A - 4 762 227</u> (PATTERSON) * Abstract * ----	1-5	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H 05 K 5/00 B 65 D 61/00 B 65 D 65/00 B 65 D 81/00 B 65 D 85/00 G 12 B 9/00 H 04 B 1/00 H 01 M 2/00 G 06 C 5/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 08-07-1992	Examiner ONDER
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			