

Title (en)

A METHOD FOR MANUFACTURING A SEAMLESS CONTINUOUS MATERIAL FOR SECURITY ELEMENTS, A SEAMLESS CONTINUOUS MATERIAL FOR SECURITY ELEMENTS AND METHODS FOR MANUFACTURING IMPRESSION OR EMBOSSING CYLINDERS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES NAHTLOSEN ENDLOSMATERIALS FÜR SICHERHEITSELEMENTE, EIN NAHTLOSES ENDLOSMATERIAL FÜR SICHERHEITSELEMENTE UND VERFAHREN ZUR HERSTELLUNG VON DRUCK- ODER PRÄGEZYLINDERN

Title (fr)

UN PROCÉDÉ POUR LA FABRICATION D'UN MATÉRIAU CONTINU SANS COUTURE POUR LES ÉLÉMENTS DE SÉCURITÉ, UN MATÉRIAU CONTINU SANS COUTURE POUR LES ÉLÉMENTS DE SÉCURITÉ AINSI QUE DES PROCÉDÉS POUR LA FABRICATION DE CYLINDRES D'IMPRESSION OU D'ESTAMPAGE

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Abstract (en)

[origin: WO2008145333A2] The invention relates to a method for producing continuous material for security elements comprising micro-optical moiré magnification arrays that have a motif screen composed of a plurality of micro-motif elements as well as a focusing element screen composed of a plurality of micro-focusing elements for moiré-magnified viewing of the micro-motif elements. In said method, a) a motif screen composed of an at least locally periodic array of micro-motif elements is provided in the form of a first one-dimensional or two-dimensional grid, b) a focusing element screen composed of an at least locally periodic array of a plurality of micro-focusing elements is provided in the form of a second one-dimensional or two-dimensional grid, c) a pattern repeat of the motif screen and/or the focusing element screen is predefined on the continuous material, d) it is verified whether the grid of the motif screen and/or the grid of the focusing element screen is/are periodically repeated in the predefined pattern repeat, and if that is not the case, a linear transformation is determined which distorts the first and/or the second grid in such a way that the grid is periodically repeated in the predefined pattern repeat, and e) the motif screen or the focusing element screen is replaced by the motif screen or focusing element screen distorted by the determined linear transformation.

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