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(54) Title: PROCESS FOR PREPARING A POLYMERIC RELIEF STRUCTURE

(57) Abstract: The present invention relates to a process for the preparation of a polymeric relief structure by a) coating a substrate with a first coating composition comprising one or more radiation-sensitive ingredients, d) locally treating the coated substrate with electromagnetic radiation having a periodic or random radiation-intensity pattern, forming a latent image, e) polymerizing and/or crosslinking the resulting coated substrate to a first coating. This process is improved by applying a second coating composition on top of the first coating composition, said second coating composition comprising either an organic compound (Cn) of a monomeric nature and wherein Cn is also polymerized during the process, or wherein said second coating comprises a dissolved polymer (Cn). As a result a polymeric relief structure is obtained, where a substrate is coated with a functional, stacked, bi-layer—on which each layer exhibits a specific, and from each other differing function.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

INV. G03F7/00  G03F7/36  G03F7/095  G03F7/038

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Heywood, Christopher
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