

Title (en)  
REFLECTIVE JEWELRY ARTICLE

Title (de)  
REFLEKTIERENDER SCHMUCKARTIKEL

Title (fr)  
ARTICLE DE BIJOUTERIE RÉFLÉCHISSANT

Publication  
**EP 3733015 A1 20201104 (EN)**

Application  
**EP 19171771 A 20190430**

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Abstract (en)  
The invention relates to a reflective ring or bracelet (10; 20) comprising at least one continuous reflective freeform surface (12; 22) configured to reflect light rays to a projection surface (30). The at least one continuous reflective freeform surface (12; 22) comprises a predetermined 3D pattern for projecting a predetermined image on the projection surface (30). The invention also relates to a method of manufacturing the reflective ring or bracelet (10; 20), comprising: i) providing a black and white image of the image to be displayed on the projecting surface (30), ii) using a computer algorithm to calculate the shape of the predetermined 3D pattern of said at least one continuous reflective freeform surface (12; 22), iii) generating a 3D surface in industry standard CAD format based on the predetermined 3D pattern, iv) providing a blank ring or bracelet, and v) reproducing the 3D surface on the blank ring or bracelet.

IPC 8 full level  
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Citation (applicant)  
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