

Title (en)

ARTICLE MADE FROM A HEAVY PLASTIC MATERIAL

Title (de)

AUS EINEM SCHWEREN KUNSTSTOFFMATERIAL HERGESTELLTER ARTIKEL

Title (fr)

ARTICLE REALISE DANS UN MATERIAU PLASTIQUE LOURD

Publication

EP 4251687 A1 20231004 (FR)

Application

EP 21801896 A 20211028

Priority

- EP 20209440 A 20201124
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Abstract (en)

[origin: WO2022111936A1] The invention relates to an article made from a material comprising, by weight: a metal and/or ceramic filler present in a percentage greater than 50% and less than or equal to 85%, at least one polymer present in a percentage greater than or equal to 15% and less than or equal to 50%, optionally at least one coupling agent present in a percentage greater than or equal to 0% and less than 10%, characterised in that the polymer (4) is bonded to the filler (2) and optionally to the coupling agent (3) by one or more bonds chosen from a hydrogen bond, a coordinate bond and an ionic bond. The present invention also relates to a method for manufacturing this article by injection moulding or by 3D printing.

IPC 8 full level

C08K 3/08 (2006.01); **B29C 64/141** (2017.01); **C08K 3/22** (2006.01); **C08K 3/28** (2006.01); **C08L 77/02** (2006.01); **G04B 15/00** (2006.01); **G04B 37/22** (2006.01)

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Citation (search report)

See references of WO 2022111936A1

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