

Title (en)

COPPER BASED ALLOY FOR THE PRODUCTION OF METALLIC SOLID GLASSES

Title (de)

KUPFER-BASIERTE LEGIERUNG FÜR DIE HERSTELLUNG METALLISCHER MASSIVGLÄSER

Title (fr)

ALLIAGE À BASE DE CUIVRE DESTINÉ À LA FABRICATION DE VERRES MÉTALLIQUES SOLIDIFIÉS

Publication

EP 3444370 B1 20220309 (DE)

Application

EP 17186878 A 20170818

Priority

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Abstract (en)

[origin: WO2019034506A1] The present invention relates to an alloy of the following composition: $\text{Cu}_{47\text{at}\%-(x+y+z)}(\text{TiaZrb})_c\text{Ni}_{7\text{at}\%+x}\text{Sn}_{1\text{at}\%+y}\text{Si}_z$, wherein $c = 43 - 47 \text{ at}\%$, $a = 0.65 - 0.85$, $b = 0.15 - 0.35$, wherein $a+b=1.00$; $x = 0 - 7 \text{ at}\%$; $y = 0 - 3 \text{ at}\%$, $z = 0 - 3 \text{ at}\%$, wherein $y+z \leq 4 \text{ at}\%$.

IPC 8 full level

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CPC (source: EP KR US)

B22D 21/025 (2013.01 - EP KR US); **B22D 25/06** (2013.01 - EP KR); **C22C 1/02** (2013.01 - EP KR US); **C22C 1/11** (2023.01 - EP KR); **C22C 9/00** (2013.01 - EP KR); **C22C 30/02** (2013.01 - EP KR); **C22C 30/04** (2013.01 - EP KR US); **C22C 45/001** (2013.01 - EP KR US)

Cited by

EP3895827A1; WO2021209280A1; WO2024046742A1; US12030113B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3444370 A1 20190220; **EP 3444370 B1 20220309**; CN 110997959 A 20200410; JP 2020531683 A 20201105; JP 6997860 B2 20220204; KR 20200031132 A 20200323; US 11214854 B2 20220104; US 2020208243 A1 20200702; WO 2019034506 A1 20190221

DOCDB simple family (application)

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