

Title (en)

MOULDING COMPOSITION BY POWDER METALLURGY, ESPECIALLY FOR PRODUCING SINTERED SOLID CERMET LINING OR DECORATIVE ARTICLES AND SAID SINTERED SOLID CERMET LINING OR DECORATIVE ARTICLES

Title (de)

ZUSAMMENSETZUNG ZUM FORMGIESSEN DURCH PULVERMETALLURGIE, DIE INSBESONDERE FÜR DIE HERSTELLUNG VON DEKOR- ODER VERKLEIDUNGSARTIKELN AUS GESINTERTEM MASSIVEM CERMET BESTIMMT IST, UND DIESE DEKOR- ODER VERKLEIDUNGSARTIKEL AUS GESINTERTEM MASSIVEM CERMET

Title (fr)

COMPOSITION DE MOULAGE PAR MÉTALLURGIE DES POUDRES DESTINÉE NOTAMMENT À LA FABRICATION D'ARTICLES DE DÉCOR OU D'HABILLAGE EN CERMET MASSIF FRITTÉ ET LESDITS ARTICLES DE DÉCOR OU D'HABILLAGE EN CERMET MASSIF FRITTÉ

Publication

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Application

EP 17200647 A 20171108

Priority

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Abstract (en)

[origin: US2019136352A1] A powder metallurgy moulding composition intended for manufacturing decorative or covering articles in sintered massive cermet, including an inorganic powder to form the cermet and an organic binder. The inorganic powder includes by weight of 35% to 95% of at least one ceramic phase based on ceramic selected from the group consisting of TiC, TiCN, TiN and mixtures thereof, and from 5% to 65% of a metallic phase, the metallic phase consisting by weight of at least 40% of iron, from 15% to 45% of chromium, from 0.1% to 25% of molybdenum, from 0.1% to 10% of silicon, from 0 to 10% of boron, and from 0 to 10% of niobium, the respective amounts of the elements of the metallic phase being such that their sum is equal to 100 wt % of the metallic phase.

IPC 8 full level

B22F 3/10 (2006.01); **C22C 1/10** (2006.01); **C22C 29/02** (2006.01); **C22C 29/04** (2006.01); **C22C 29/10** (2006.01); **C22C 29/16** (2006.01); **C22C 32/00** (2006.01); **C22C 33/02** (2006.01); **C22C 38/02** (2006.01); **C22C 38/22** (2006.01); **C22C 38/26** (2006.01); **C22C 38/32** (2006.01); **G04B 29/02** (2006.01); **G04B 37/22** (2006.01); **G04B 45/00** (2006.01); **B22F 1/10** (2022.01); **B22F 3/02** (2006.01); **B22F 5/00** (2006.01)

CPC (source: EP US)

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