

Title (en)

Additive for adding one or more metals into aluminium alloys

Title (de)

Zusatzmittel zur Zuführung von Metallen in Aluminiumlegierungen

Title (fr)

Additif pour ajouter des métaux aux alliages d'aluminium

Publication

EP 1045040 A1 20001018 (EN)

Application

EP 99500058 A 19990415

Priority

EP 99500058 A 19990415

Abstract (en)

This is referred to the fabrication of some addition elements by means of briquettes or tablets made up by the combination of an agglutinated powder which comprises, at least, an aluminium powder, a powder of one or more metals or alloys including those to be added, and a wax-type organic compound, all in adequate proportions. This combination allows to increase the dissolution velocity of the added metals, the recoveries of the added metal, a better stirring of the melting aluminium, and the reduction of impurities and of accumulated metal in the bottom of the furnace.

IPC 1-7

C22C 1/02; B22F 1/00; C22B 9/10

IPC 8 full level

B22F 1/00 (2006.01); **C22B 21/00** (2006.01); **C22B 21/06** (2006.01); **C22C 1/02** (2006.01); **C22C 1/03** (2006.01)

CPC (source: EP US)

B22F 1/09 (2022.01 - EP US); **C22B 21/0084** (2013.01 - EP US); **C22B 21/06** (2013.01 - EP); **C22C 1/026** (2013.01 - EP); **C22C 1/03** (2013.01 - EP); **B22F 2998/00** (2013.01 - EP)

Citation (search report)

- [X] US 5342573 A 19940830 - AMANO YOSHINARI [JP], et al
- [X] US 4581069 A 19860408 - ZUBER CHESTER L [US]
- [X] US 4820483 A 19890411 - DEFRANCE ALAIN [FR]
- [A] GB 2117411 A 19831012 - BRITISH STEEL CORP
- [AD] GB 2112020 A 19830713 - LONDON AND SCANDINAVIAN METALL
- [X] "Metals Handbook, 9th Edition, Vol.7", 1984, AMERICAN SOCIETY FOR METALS, OHIO, USA, XP002119041
- [A] R. M. GERMAN: "Powder Injection Molding", 1990, METAL POWER INDUSTRIES FEDERATION, NEW JERSEY USA, XP002119042

Cited by

ES2395550A1; DE202016001530U1; WO2012175770A3

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

EP 1045040 A1 20001018; **EP 1045040 B1 20050112**; AT E286990 T1 20050115; DE 69923158 D1 20050217

DOCDB simple family (application)

EP 99500058 A 19990415; AT 99500058 T 19990415; DE 69923158 T 19990415