

Title (en)
METHOD FOR THE PRODUCTION OF HIGH-CONCENTRATION MANGANESE MINI-TABLETS FOR ALLOYING ALUMINUM BATHS AND
DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG HOCHKONZENTRIERTER MANGAN-MINITABLETTEN ZUM LEGIEREN VON ALUMINIUMBÄDERN UND
VORRICHTUNG ZUR REALISIERUNG DES VERFAHRENS

Title (fr)
PROCEDE ET DISPOSITIF DE PRODUCTION DE MINI-TABLETTES DE MANGANESE A FORTE CONCENTRATION POUR L'ALLIAGE DE
BAINS D'ALUMINIUM

Publication
EP 1489161 B1 20050601 (EN)

Application
EP 02720013 A 20020327

Priority
ES 0200161 W 20020327

Abstract (en)
[origin: EP1489161A1] The purpose of the procedure is to produce Mn minitabets with a concentration of between 90 and 98% of this metal, the binding material being Al particles. The procedure is based on using electrolytic Mn ground from flakes of a chemical purity of 99.7% or more, while this product is screened by means of a sieve with a mesh of 450 microns or less, where the fine powder content must be below 15%. Similarly, atomised Al powder produced by mechanical means must be used, with a grain size of 100 to 800 microns and with over 80% of the powder between 350 and 720 microns. The procedure is executed in a device with a storage hopper (1), a product diffuser (4) in that hopper (1), a hopper for compacting (6) and forming the minitabets in dies (9), in combination with pressing punches (7) and (8) and with the assistance of a honeycomb dispensing valve (10) interposed between the feeder chamber (5) and the compacting chamber (6). <IMAGE>

IPC 1-7
C12C 1/02; B30B 15/30; B30B 11/02; C22C 1/02; C22C 21/00; C22C 22/00

IPC 8 full level
B30B 11/02 (2006.01); **B30B 15/30** (2006.01)

CPC (source: EP US)
B30B 11/025 (2013.01 - EP US); **B30B 15/302** (2013.01 - EP US)

Cited by
WO2009076969A1; US8268236B2

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EP 1489161 A1 20041222; **EP 1489161 B1 20050601**; AT E296874 T1 20050615; AU 2002251085 A1 20031013; BR 0215663 A 20050111; CA 2480087 A1 20031009; DE 60204484 D1 20050707; DE 60204484 T2 20060323; ES 2240728 T3 20051016; US 2005120829 A1 20050609; WO 03083035 A1 20031009

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