

Title (en)

ALLOYING PROCESS

Publication

EP 0178502 B1 19890913 (EN)

Application

EP 85112130 A 19850924

Priority

- US 65473584 A 19840927
- US 65473684 A 19840927

Abstract (en)

[origin: EP0178502A1] A process for adding alloying material to a molten metal. The process includes : converting the alloying material into a spray of superheated alloy material and directing the spray into the molten metal at a predetermined depth below the surface, the depth having been determined beforehand to enhance dissolution and dispersion of the alloying material in the molten metal. An apparatus is also described, consisting of a spark cup to be immersed into the molten metal, means for establishing an electrical arc discharge for spraying the alloying material and means for supplying a shielding gas. The process is suitable for alloying lead, bismuth, antimony, magnesium, zinc or copper into aluminum.

IPC 1-7

C22C 1/02

IPC 8 full level

C22C 1/02 (2006.01)

CPC (source: EP)

C22C 1/02 (2013.01); **C22C 1/026** (2013.01)

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DOCDB simple family (publication)

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