

Title (en)
Metallurgical treatment agents.

Title (de)
Metallurgische Behandlungsmittel.

Title (fr)
Agents de traitement métallurgique.

Publication
EP 0044183 A1 19820120 (EN)

Application
EP 81303066 A 19810706

Priority
GB 8022513 A 19800709

Abstract (en)
Method of making wire-like treatment agent for metal melts e.g. ferrous ones comprises heating metal tube (1) e.g. of steel, introducing into the tube (1) a melt (3) having a temperature below melting point of the metal of the tube and comprising a reactive metal e.g. magnesium and cooling the tube (1) and the melt inside it to solidify the melt in the tube (1). Wire-like treatment agent itself comprises solidified melt (11) comprising a reactive metal encased in a preformed tube (1) of metal of higher melting point than that of the reactive metal.

IPC 1-7
C21C 7/00; C21C 7/06; C21C 7/064; C21C 1/10; C22B 9/10

IPC 8 full level
C21C 1/02 (2006.01); C21C 1/10 (2006.01); C21C 7/00 (2006.01); C21C 7/04 (2006.01); C21C 7/06 (2006.01); C21C 7/064 (2006.01); C22B 9/10 (2006.01); C22C 1/02 (2006.01)

CPC (source: EP)
C21C 1/02 (2013.01); C21C 1/10 (2013.01); C21C 7/0056 (2013.01); C21C 7/06 (2013.01); C21C 7/064 (2013.01); C22B 9/103 (2013.01)

Citation (search report)

- US 3915693 A 19751028 - RASMUSSEN ROBERT T C
- US 4134196 A 19790116 - YAMAJI KENKICHI, et al
- WO 7900536 A1 19790809 - CATERPILLAR TRACTOR CO [US]
- DE 2421743 A1 19751120 - OTOTANI TOHEI
- DE 974835 C 19610510 - MAX PLANCK INST EISENFORSCHUNG

Cited by
CN108176844A; DE19827354A1; US6471742B2; CN112404372A; DE19916235A1; DE19916235C2; RU2487174C2; US7906747B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)
EP 0044183 A1 19820120; EP 0044183 B1 19850320; AT E12260 T1 19850415; AU 542367 B2 19850221; AU 7283281 A 19820114; DE 3169368 D1 19850425; JP S5741334 A 19820308; JP S6059972 B2 19851227; NO 812327 L 19820111

DOCDB simple family (application)
EP 81303066 A 19810706; AT 81303066 T 19810706; AU 7283281 A 19810714; DE 3169368 T 19810706; JP 10755981 A 19810709; NO 812327 A 19810708