

Title (en)
EXOTHERMIC FEEDER

Title (de)
EXOTHERME SPEISERMASSE

Title (fr)
MASSELOTTE EXOTHERME

Publication
EP 1198435 B1 20030115 (DE)

Application
EP 00935084 A 20000520

Priority
• DE 19925167 A 19990601
• EP 0004597 W 20000520

Abstract (en)
[origin: US6972059B1] An exothermal feeder mass is described, containing aluminum and magnesium, at least one oxidizing agent, a SiO₂-containing filler, and an alkali silicate as the binder; it is characterized in that it contains roughly 2.5 to 20% by weight of a reactive aluminum oxide with a specific surface of at least roughly 0.5 m²/g and an average particle diameter (d₅₀) from roughly 0.5 to 8 microns and is essentially free of fluoride-containing fluxes.

IPC 1-7
C04B 28/00

IPC 8 full level
B22C 1/02 (2006.01); **B22D 7/10** (2006.01); **C04B 28/00** (2006.01)

CPC (source: EP US)
B22C 1/02 (2013.01 - EP US); **B22D 7/104** (2013.01 - EP US)

Cited by
WO2010057464A3

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US 6972059 B1 20051206; AT E231112 T1 20030215; DE 19925167 A1 20001214; DE 50001111 D1 20030220; EP 1198435 A2 20020424; EP 1198435 B1 20030115; ES 2192178 T3 20031001; JP 2003500221 A 20030107; WO 0073236 A2 20001207; WO 0073236 A3 20010329

DOCDB simple family (application)
US 953702 A 20020312; AT 00935084 T 20000520; DE 19925167 A 19990601; DE 50001111 T 20000520; EP 0004597 W 20000520; EP 00935084 A 20000520; ES 00935084 T 20000520; JP 2000621306 A 20000520