

Title (en)
METHOD FOR REFINING A MOLTEN METAL BATH IN A CRUCIBLE WITH OXYGEN INJECTION FROM ABOVE, AND CRUCIBLE USED THEREFOR

Publication
EP 0032350 B1 19850703 (FR)

Application
EP 80401900 A 19801231

Priority
LU 82069 A 19800109

Abstract (en)
[origin: ES8203973A1] Process of refining of a metal bath in a crucible with oxygen blast at the top and crucible used. The invention consists essentially of providing in the bottom (15) of the crucible agitating gas injectors (15) located at least in a peripheral circular ring situated in immediate proximity to the refractory side wall. The injectors are preferably concentrated opposite the journals. Secondary injectors are, also preferably, provided in the bottom zone, intermediate between the ring and the center of the crucible. The invention makes it possible, in relation to the prior injection practice, to reduce the rate of dissolution of the agitating gas in the molten metal and then makes it possible to use a low-cost agitating gas, such as nitrogen, without risk of excessive nitridation of the bath.

IPC 1-7
C21C 5/32; C22B 9/05

IPC 8 full level
C21C 5/48 (2006.01); **C21C 5/32** (2006.01); **C21C 5/34** (2006.01); **C21C 5/35** (2006.01); **C21C 5/46** (2006.01); **C22B 9/05** (2006.01)

CPC (source: EP US)
C21C 5/35 (2013.01 - EP US); **C22B 9/05** (2013.01 - EP US)

Citation (examination)
• FR 1210459 A 19600309 - A R B E D
• FR 2322202 A1 19770325 - SIDERURGIE FSE INST RECH [FR]
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Designated contracting state (EPC)
AT BE DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0032350 A2 19810722; EP 0032350 A3 19810826; EP 0032350 B1 19850703; AT E14144 T1 19850715; AU 540800 B2 19841206; AU 6604681 A 19810716; BR 8100113 A 19810721; CA 1172048 A 19840807; CS 242866 B2 19860515; DE 3070844 D1 19850808; ES 498382 A0 19820401; ES 8203973 A1 19820401; IN 154540 B 19841110; JP S56102508 A 19810817; LU 82069 A1 19810910; PL 229121 A1 19810918; PT 72324 A 19810201; PT 72324 B 19811218; RO 81955 A 19830707; RO 81955 B 19830630; SU 1190993 A3 19851107; US 4369060 A 19830118; ZA 8177 B 19820127

DOCDB simple family (application)
EP 80401900 A 19801231; AT 80401900 T 19801231; AU 6604681 A 19810107; BR 8100113 A 19810108; CA 368097 A 19810108; CS 16381 A 19810128; DE 3070844 T 19801231; ES 498382 A 19810108; IN 22CA1981 A 19810109; JP 81381 A 19810108; LU 82069 A 19800109; PL 22912181 A 19810108; PT 7232481 A 19810108; RO 10309081 A 19810108; SU 3229952 A 19810108; US 22251281 A 19810102; ZA 8177 A 19810106