

Title (en)
PROCESS FOR THE PRODUCTION OF HIGH-ALLOYED STEELS IN A BASIC OXYGEN FURNACE

Publication
EP 0229586 A3 19880330 (DE)

Application
EP 86730190 A 19861120

Priority
DE 3601337 A 19860116

Abstract (en)
[origin: US4772317A] The process includes two major phases, each including a converter blowing step and a discharge step, whereby the first discharge step is also a preparatory step for the second blowing step. The steel is dephosphorized, desulfurized, and decarbonized under formation of basic slag which is retained in the converter during the first discharge. Lime, limeflux and possibly clay is added prior to the second blowing together with, preferably, silicon for deoxidation. After the second discharge, additional alloy components may be added.

IPC 1-7
C21C 5/00; **C21C 5/28**

IPC 8 full level
C21C 7/00 (2006.01); **C21C 5/00** (2006.01); **C21C 7/068** (2006.01)

CPC (source: EP US)
C21C 5/005 (2013.01 - EP US); **C21C 7/068** (2013.01 - EP US); **C21C 2007/0093** (2013.01 - EP US)

Citation (search report)

- [Y] FR 1345044 A 19631206 - LOIRE ATEL FORGES
- [Y] DE 1583260 B1 19740815 - INTERLAKE IRON CORP
- [A] DE 1433597 B1 19701105 - OESTERR ALPINE MONTAN [AT]
- [A] CH 642998 A5 19840515 - FISCHER AG GEORG [CH]
- [A] IRON AND STEEL, Band 41, Nr. 9, September 1968, Seite 392; "Argon-oxygen refining of stainless steel"

Cited by
EP0330483A3; AT403293B; US6077324A; EP0721990A1

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

DOCDB simple family (publication)
EP 0229586 A2 19870722; **EP 0229586 A3 19880330**; CN 1007432 B 19900404; CN 87100166 A 19870729; DE 3601337 A1 19870723; DE 3601337 C2 19880825; JP S62170412 A 19870727; US 4772317 A 19880920

DOCDB simple family (application)
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