

Title (en)
METHOD FOR DEEP DECARBURISATION OF STEEL MELTS

Title (de)
VERFAHREN ZUR TIEFENTKOHLUNG VON STAHLSCHMELZEN

Title (fr)
PROCEDE POUR LA DECARBURATION PROFONDE D'ACIERS EN FUSION

Publication
EP 1476584 A1 20041117 (EN)

Application
EP 03742571 A 20030221

Priority

- EP 03742571 A 20030221
- EP 0301799 W 20030221
- EP 02004014 A 20020222

Abstract (en)
[origin: WO03070990A1] A method for decarburisation of molten steel in a RH unit is characterised in that, beginning with the rise in CO released into the vacuum container (2) due to the natural decarburisation as a result of the oxygen dissolved in the steel bath and present in the system, a calculated amount of oxygen is introduced, dependent on the starting carbon content and the starting oxygen content of the melt, whereby a starting pressure for the beginning of the blowing process is calculated depending on the starting carbon content.

IPC 1-7
C21C 7/10

IPC 8 full level
C21C 7/068 (2006.01); **C21C 7/00** (2006.01); **C21C 7/072** (2006.01); **C21C 7/10** (2006.01); **C21C 5/46** (2006.01)

CPC (source: EP KR US)
C21C 7/10 (2013.01 - EP KR US); **C21C 5/4606** (2013.01 - EP US)

Citation (search report)
See references of WO 03070990A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03070990 A1 20030828; AU 2003210336 A1 20030909; BR PI0307897 A2 20160621; CN 1650035 A 20050803; EP 1476584 A1 20041117; JP 2005517812 A 20050616; KR 100889073 B1 20090317; KR 20040091653 A 20041028; US 2005109161 A1 20050526

DOCDB simple family (application)
EP 0301799 W 20030221; AU 2003210336 A 20030221; BR 0307897 A 20030221; CN 03809105 A 20030221; EP 03742571 A 20030221; JP 2003569881 A 20030221; KR 20047012963 A 20030221; US 50561004 A 20041014