

Title (en)
RECARBURISATION METHOD

Title (de)
WIEDERAUFKOHLEUNGSVERFAHREN

Title (fr)
PROCÉDÉ DE RECARBURATION

Publication
EP 2321435 A4 20120425 (EN)

Application
EP 09804396 A 20090807

Priority
• AU 2009001018 W 20090807
• AU 2008904040 A 20080807

Abstract (en)
[origin: WO2010015041A1] A method for recarburising a molten ferro-alloy in a ladle or ladle furnace comprises the step of adding a carbon-containing polymer to the ladle or furnace. The polymer is adapted to function as a recarburiser of the ferro-alloy. In this regard, the polymer can have a format which, when it contacts the molten ferro-alloy, promotes dissolution of carbon from the polymer into the molten ferro-alloy.

IPC 8 full level
C21B 13/00 (2006.01); **C21C 5/28** (2006.01); **C21C 5/52** (2006.01); **C21C 7/00** (2006.01)

CPC (source: EP KR US)
C21B 13/00 (2013.01 - KR); **C21C 5/28** (2013.01 - EP US); **C21C 5/52** (2013.01 - KR); **C21C 5/5211** (2013.01 - EP US);
C21C 5/5264 (2013.01 - EP US); **C21C 7/00** (2013.01 - EP US); **C21C 7/0025** (2013.01 - EP US); **C21C 7/0075** (2013.01 - EP US);
C21C 2007/0031 (2013.01 - EP US); **C21C 2007/0062** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US)

Citation (search report)
• [XD] WO 2006024069 A1 20060309 - UNISEARCH LTD [AU], et al
• [XI] US 2005229743 A1 20051020 - STEBBING FRANKLIN L [US]
• [XI] US 2003066387 A1 20030410 - STEBBING FRANKLIN LEROY [US]
• [XI] SAHAJWALLA V ET AL: "WASTE PLASTICS - A RESOURCE FOR EAF STEELMAKING", IRON & STEEL TECHNOLOGY, AIST, WARRENDALE, PA, US, vol. 3, no. 4, 1 April 2006 (2006-04-01), pages 91 - 96, XP001504213, ISSN: 1547-0423
• See references of WO 2010015041A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010015041 A1 20100211; AU 2009279383 A1 20100211; BR PI0916981 A2 20180214; CA 2733085 A1 20100211;
CN 102216473 A 20111012; EP 2321435 A1 20110518; EP 2321435 A4 20120425; JP 2011530007 A 20111215; KR 20110053984 A 20110524;
MX 2011001454 A 20110414; NZ 591240 A 20130125; US 2011197713 A1 20110818; ZA 201101329 B 20120530

DOCDB simple family (application)
AU 2009001018 W 20090807; AU 2009279383 A 20090807; BR PI0916981 A 20090807; CA 2733085 A 20090807;
CN 200980139402 A 20090807; EP 09804396 A 20090807; JP 2011521412 A 20090807; KR 20117005089 A 20090807;
MX 2011001454 A 20090807; NZ 59124009 A 20090807; US 200913057955 A 20090807; ZA 201101329 A 20110218