

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  
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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)  
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**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

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**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

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**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