

Title (en)  
BLAST FURNACE REPAIR METHOD

Title (de)  
HOCHOFEN-REPARATURVERFAHREN

Title (fr)  
PROCÉDÉ DE RÉPARATION DE HAUT FOURNEAU

Publication  
**EP 3029159 B1 20180509 (EN)**

Application  
**EP 14832291 A 20140729**

Priority  
• JP 2013158324 A 20130730  
• JP 2013272269 A 20131227  
• JP 2014069944 W 20140729

Abstract (en)  
[origin: EP3029159A1] A method for revamping a blast furnace that has a furnace body and a furnace body tower installed on a site foundation includes: while an old blast furnace is in operation (S1), a new furnace construction step (S2) of constructing a new furnace tower structure and a new furnace proper on the new foundation at a site different from the site foundation; and a foundation segmentation step (S3) of vertically cutting the site foundation to segment the site foundation into a foundation top on which the old furnace proper and the old furnace tower structure are mounted and a foundation bottom; blowing out the blast furnace (S4); an old furnace pull-out step (S5) of carrying out the foundation top integrally with the old furnace proper and the old furnace tower structure; and a new furnace pull-in step (S6) of introducing the new foundation on the foundation bottom integrally with the new furnace tower structure and the new furnace proper.

IPC 8 full level  
**C21B 7/00** (2006.01)

CPC (source: EP RU)  
**C21B 7/00** (2013.01 - EP RU)

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3029159 A1 20160608; EP 3029159 A4 20170405; EP 3029159 B1 20180509;** BR 112016000677 B1 20200331;  
CN 105408499 A 20160316; CN 105408499 B 20170815; JP 2015045081 A 20150312; JP 5577450 B1 20140820; KR 101665990 B1 20161013;  
KR 20160022941 A 20160302; RU 2618978 C1 20170511; WO 2015016220 A1 20150205

DOCDB simple family (application)  
**EP 14832291 A 20140729;** BR 112016000677 A 20140729; CN 201480042669 A 20140729; JP 2013272269 A 20131227;  
JP 2014069944 W 20140729; KR 20167003646 A 20140729; RU 2016106921 A 20140729