

Title (en)
A METHOD OF AGGLOMERATION OF FERROALLOY FINES SUCH AS FERROMANGANESE, FERROCHROME AND FERROSILICON FINES

Title (de)
VERFAHREN ZUR AGGLOMERIERUNG VON FEINTEILCHEN AUS FERROLEGIERUNGEN WIE FERROMANGAN, FERROCHROM UND FERROSILICIUM

Title (fr)
PROCÉDÉ D'AGGLOMÉRATION DE FINES DE FERROALLIAGES TELS QUE DES FINES DE FERROMANGANÈSE, DE FERROCHROME ET DE FERROSILICIUM

Publication
EP 2329050 A1 20110608 (EN)

Application
EP 09815780 A 20090929

Priority
• IN 2009000532 W 20090929
• IN 1685KO2008 A 20080929

Abstract (en)
[origin: WO2010035289A1] A method of agglomeration of ferroalloy fines such as ferromanganese, ferrochrome and ferrosilicon fines comprising the steps of: Providing ferroalloy fines below 10mm size; Sieving <3mm size fraction and crushing 3-10mm to produce <3mm fines; mixing the resulted fines with a phenol formaldehyde resol resin binder in a vessel; compacting the mixed fines in a compressive machine in batches to form agglomerates; curing the agglomerates on heating in a furnace maintained at a temperature range 150-200°C for about 60 to 90 minutes.

IPC 8 full level
C22B 1/16 (2006.01); **B22F 1/148** (2022.01); **B22F 3/02** (2006.01); **C22B 1/244** (2006.01)

CPC (source: EP US)
B22F 1/148 (2022.01 - EP US); **C22B 1/24** (2013.01 - EP US); **C22B 1/244** (2013.01 - EP); **C22B 1/248** (2013.01 - EP)

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010035289 A1 20100401; CN 101910427 A 20101208; CN 101910427 B 20121107; EP 2329050 A1 20110608; EP 2329050 A4 20160525; JP 2012504189 A 20120216; ZA 201004347 B 20110629

DOCDB simple family (application)
IN 2009000532 W 20090929; CN 200980101700 A 20090929; EP 09815780 A 20090929; JP 2011528497 A 20090929; ZA 201004347 A 20100621