Title (en)
METHOD AND SYSTEM FOR GRANULATING SLAG

Title (de)
VERFAHREN UND ANLAGE ZUM GRANULIEREN VON SCHLACKE

Title (fr)
PROCEDE ET INSTALLATION POUR GRANULER DES SCORIES

Publication
EP 1664353 B1 20070117 (DE)

Application
EP 04765337 A 20040917

Priority
• EP 2004010442 W 20040917
• AT 15252003 A 20030925

Abstract (en)
[origin: WO2005031008A1] Disclosed is a method for granulating slag, especially from a blast furnace and/or a smelting reduction system. According to said method, a mixture of granulate and water obtained during the granulation process is delivered to a granulating container (4) and then to a dehydration system in which the granular slag is dehydrated while the vapors and gases that are created during the granulation process and contain H2S are at least partly condensed in a condensing chamber which is fluidically connected to the granulating container (4) by spraying water thereinto. Residual gases containing H2S are withdrawn from the condensing chamber below the point where water is sprayed in, and H2S is burned.

IPC 8 full level
C21B 3/08 (2006.01)

CPC (source: EP KR US)
C21B 3/08 (2013.01 - EP KR US); C21B 2100/42 (2017.04 - EP US); C21B 2400/024 (2018.07 - EP KR US); C21B 2400/03 (2018.07 - KR); C21B 2400/032 (2018.07 - EP US); C21B 2400/062 (2018.07 - EP US); C21B 2400/072 (2018.07 - EP US); C21B 2400/074 (2018.07 - EP US)

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005031008 A1 20050407; AT 412650 B 20050525; AT A15252003 A 20041015; AT E351927 T1 20070215; AU 2004276445 A1 20050407; AU 2004276445 B2 20091112; BR PI0414805 A 20061114; CA 2539601 A1 20050407; CN 1856583 A 20061101; CN 1856583 B 20101201; DE 502004002708 D1 20070308; EP 1664353 A1 20060607; EP 1664353 B1 20070117; EP 1664353 B2 20111012; ES 2280998 T3 20070916; ES 2280998 T5 20120217; KR 101186277 B1 20120927; KR 20060093337 A 20060824; PL 1664353 T3 20070629; PL 1664353 T5 20130228; PT 1664353 E 20070430; RU 2006113925 A 20071027; RU 2355771 C2 20090520; US 2007107466 A1 20070517; US 2009315233 A1 20091224; US 7600397 B2 20091013; US 8302430 B2 20121106

DOCDB simple family (application)
EP 2004010442 W 20040917; AT 04765337 T 20040917; AT 15252003 A 20030925; AU 2004276445 A 20040917; BR PI0414805 A 20040917; CA 2539601 A 20040917; CN 200480027828 A 20040917; DE 502004002708 T 20040917; EP 04765337 A 20040917; ES 04765337 T 20040917; KR 20067007716 A 20040917; PL 04765337 T 20040917; PT 04765337 T 20040917; RU 2006113925 A 20040917; US 54983209 A 20090828; US 57277504 A 20040917