

Title (en)

APPARATUS AND METHOD FOR CHARGING RAW MATERIAL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM LADEN VON ROHMATERIAL

Title (fr)

APPAREIL ET PROCÉDÉ DE CHARGEMENT DE MATIÈRE PREMIÈRE

Publication

EP 3372936 A4 20181010 (EN)

Application

EP 16862445 A 20161103

Priority

- KR 20150156009 A 20151106
- KR 2016012592 W 20161103

Abstract (en)

[origin: EP3372936A1] The present disclosure provides a raw material charging apparatus including a first hopper disposed above a storage vehicle traveling along a path; a first charging chute disposed below the first hopper and extending obliquely, wherein the first charging chute has a through-hole defined therethrough in a direction intersecting the extending direction of the first chute; a second hopper disposed above the storage vehicle and spaced apart from the first hopper; and a second charging chute disposed below the second hopper and the first charging chute and extending obliquely. Further, the present disclosure provides a raw material charging method using the apparatus. In this way, the apparatus and method may improve the collection rate and strength of the sintered ore in the upper portion of the raw material layer.

IPC 8 full level

F27D 3/00 (2006.01); **C22B 1/20** (2006.01); **F27B 21/02** (2006.01); **F27D 3/06** (2006.01); **F27D 3/10** (2006.01)

CPC (source: EP)

C22B 1/20 (2013.01); **F27B 21/02** (2013.01); **F27D 3/06** (2013.01); **F27D 3/10** (2013.01)

Citation (search report)

- [X] JP 2000096158 A 20000404 - SUMITOMO METAL IND
- [A] WO 2010073968 A1 20100701 - NIPPON STEEL CORP [JP], et al
- [A] JP 2005226113 A 20050825 - KOBE STEEL LTD
- See references of WO 2017078429A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3372936 A1 20180912; **EP 3372936 A4 20181010**; **EP 3372936 B1 20200108**; CN 108351172 A 20180731; CN 108351172 B 20200110; JP 2018536837 A 20181213; KR 101749079 B1 20170620; KR 20170053460 A 20170516; WO 2017078429 A1 20170511

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EP 16862445 A 20161103; CN 201680064812 A 20161103; JP 2018542091 A 20161103; KR 20150156009 A 20151106; KR 2016012592 W 20161103