Title (en)

SINTERING APPARATUS AND METHOD FOR MANUFACTURING SINTERED ORE USING SAME

Title (de)

SINTERVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON GESINTERTEM ERZ DAMIT

Title (fr)

APPAREIL DE FRITTAGE ET PROCÉDÉ DE FABRICATION D'UN MINERAI FRITTÉ À L'AIDE DE CELUI-CI

Publication

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Application

EP 16910655 A 20161215

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- KR 2016014732 W 20161215

Abstract (en)

Provided is a sintering apparatus including: a carriage in which a sintering raw material may be charged and which is movable in a sintering process progress direction; an ignition furnace installed on a path along which the carriage moves in the sintering process progress direction so as to spray flame to a raw material layer charged into the carriage; and a plurality of wind boxes installed side by side such that the closer to a sintering completion position from the ignition furnace, the smaller an area of a suction path. Thus, in accordance with exemplary embodiments, the flow velocity of air is adjusted through a plurality of wind boxes, and an additional heat source is further supplied to an upper layer part by using a reflective member, so that generation of unreacted sintered ore in an upper layer part and generation of over-sintered sintered ore in a lower layer part can be suppressed or reduced. Due to this, sintered ore having uniform quality in the entirety of the raw material layer can be obtained regardless of an upper layer part, a middle layer part, and a lower layer part.

IPC 8 full level

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