

Title (en)
Apparatus for sintering ore

Title (de)
Vorrichtung zum Sintern von Erz

Title (fr)
Dispositif de frittage de minerai

Publication
EP 2902739 A1 20150805 (DE)

Application
EP 14153158 A 20140130

Priority
EP 14153158 A 20140130

Abstract (en)

[origin: ES1135784U] Device for sintering metal-containing substances, such as, for example, iron ores or manganese ores, in particular oxidic or carbonated ores, in a sintering machine (1) - with a delivery device (2) for a sintered mixture (3) containing solid fuel in a sintering band (4), - with suction boxes (5) for driving oxygen-containing process gas through the sintered mixture in three successive sections of the sintering belt, of which the first section follows the delivery device and the third section is limited by the launching end (6) of the sintering band (4), - with an accumulation conduit (7) for joining and transmitting the sintered exhaust gas produced in the suction boxes (5) of the third section and in the suction boxes (5) of the first section, - with an evacuation conduit (8) for joining and transmitting the sintered exhaust gas produced in the suction boxes (5) of the second section, - with a feedback device (9) for the transport and for the distribution of sintered exhaust gas as at least part of the process gas to the sintered mixture in the sintering band (4), preferably to the sintered mixture in the second section of the sintering band (4), - with an exhaust gas duct (10) for evacuating sintered exhaust gas from the sintering machine (1), characterized because - the feedback device (9) and - the exhaust gas duct (10) they are connected by conduits with - the accumulation conduit (7) y - the evacuation conduit (8), there being in the accumulation duct (7) and in the evacuation duct (8) switching devices which are suitable for directing sintered exhaust gas conducted in the accumulation duct (7) or in the evacuation duct (8) o inside the feedback device (9) o inside the exhaust gas duct (10). (Machine-translation by Google Translate, not legally binding)

Abstract (de)

Vorrichtung zum Sintern von metallhaltigen Stoffen auf einer Sintermaschine (1), wobei eine Rückföhreinrichtung (9) und eine Abgasleitung (10) leitungsmaÖig mit einer Sammelleitung (7) und einer Abföhrlleitung (8) verbunden sind, und wobei in der Sammelleitung (7) und in der Abföhrlleitung (8) Umschaltvorrichtungen geeignet zum Dirigieren von in der Sammelleitung (7) beziehungsweise in der Abföhrlleitung (8) geföhrt Sinterabgas entweder in die Rückföhreinrichtung (9) oder in die Abgasleitung (10) vorhanden sind.

IPC 8 full level
F27B 21/06 (2006.01)

CPC (source: EP)
F27B 21/06 (2013.01)

Citation (applicant)
WO 2007082694 A1 20070726 - SIEMENS VAI METALS TECH GMBH [AT], et al

Citation (search report)
• [YD] WO 2007082694 A1 20070726 - SIEMENS VAI METALS TECH GMBH [AT], et al
• [Y] JP 2006336026 A 20061214 - JFE STEEL KK

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Designated extension state (EPC)
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EP 14153158 A 20140130; AU 2015100093 A 20150128; CN 201520066117 U 20150130; ES 201530040 U 20150116; IT MI20150014 U 20150126; PL 12374615 U 20150127; RU 2015102995 U 20150129; UA U201500651 U 20150127