

Title (en)  
SINTERING MACHINE FOR SINTERED ORE

Title (de)  
SINTERANLAGE FÜR SINTERERZ

Title (fr)  
MACHINE DE FRITTAGE POUR MINÉRAI FRITTÉ

Publication  
**EP 3587975 A4 20200101 (EN)**

Application  
**EP 18757056 A 20180219**

Priority  
• JP 2017034745 A 20170227  
• JP 2018005682 W 20180219

Abstract (en)  
[origin: EP3587975A1] Provided is a sintering machine, which makes it possible to effectively prevent gas leakage to secure high safety and also to increase the exhaust gas circulation amount. A sintering machine (50) according to the present invention includes a sinter strand (6) having pallet cars that run on rails on a floor, and is used for producing sintered ore by, while the pallet cars are travelling, continuously burning sinter feed piled on the pallet cars, the machine (50) including: an exhaust duct (2) with a blower (14) for sucking exhaust gas from below the sinter strand (6) and discharging it to the outside; an exhaust gas circulating hood (1) over the pallet cars; an exhaust gas circulating duct (3) connecting between the exhaust duct (2) and the hood (1); and a seal portion hermetically sealing a gap between the hood (1) and the floor, and being configured to keep pressure of the inside of the hood (1) at or below the atmospheric pressure.

IPC 8 full level  
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CPC (source: EP)  
**C22B 1/20** (2013.01); **F27B 21/06** (2013.01); **F27D 99/0073** (2013.01)

Citation (search report)  
• [Y] EP 2876174 A1 20150527 - JFE STEEL CORP [JP]  
• [Y] EP 2904342 B1 20160803 - OUTOTEC FINLAND OY [FI]  
• [Y] US 2010242684 A1 20100930 - LAABER KARL [AT], et al  
• [A] US 2014084524 A1 20140327 - KAMIKAWA SUSUMU [JP], et al  
• [A] EP 1195565 A1 20020410 - NIPPON STEEL CORP [JP]  
• [A] PYRIKOV A N ET AL: "ACCELERATOR OF SINTER COOLING ON LENGTHENED STRAND BY PRESSURE BLOWING", STEEL IN THE USSR, METALS SOCIETY, LONDON, GB, vol. 19, no. 5, 1 May 1989 (1989-05-01), pages 196 - 199, XP000104085, ISSN: 0038-9218  
• See references of WO 2018155368A1

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