

Title (en)
DEVICE FOR LOADING A SHAFT FURNACE

Title (de)
VORRICHTUNG ZUM BESCHICKEN EINES SCHACHTOFENS

Title (fr)
DISPOSITIF DE CHARGEMENT D'UN FOUR A CUVE

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Application
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• LU 90794 A 20010626

Abstract (en)
[origin: WO03002770A1] The invention relates to a loading device for a shaft furnace comprising a chute which is supported by a suspension rotor (28) in a fixed casing. The rotor (28) supports a cooling circuit which is supplied with a cooling liquid by means of an annular swivel fitting (44). Said fitting comprises a fixed ring (60) and a rotary ring (62) and it is installed in an annular leak collection tank (46) which is formed by the suspension rotor (28). The fixed ring (60) is supported by the casing (12). The rotary ring (62) is supported solely by the fixed ring (60) by means of a bearing (64). Selective coupling means (65, 66) are used to connect the rotary ring (62) to the suspension rotor (28) in such a way as to transmit selectively a turning moment from the rotor (28) to the rotary ring (62), while preventing the transmission of other forces from the rotor (28) to the rotary ring (62).

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