

Title (en)

Hoisting unit for steel processing pans in RH plants

Title (de)

Hubwerk für Stahlbehandlungspfannen in RH-Anlagen

Title (fr)

Dispositif de levage pour poêles de traitement de l'acier dans des installations

Publication

EP 1862559 B1 20120411 (DE)

Application

EP 07009875 A 20070518

Priority

DE 102006026330 A 20060602

Abstract (en)

[origin: US2007278722A1] A hoisting mechanism for raising a ladle filled with liquid steel from a transfer vehicle to immersion pipes of a vacuum treatment tank of an RH degasser. Two lifting arms are provided, one end of which can be brought into engagement with a support device formed on the ladle, and a bearing end of the arms is supported in a stationary saddle support comprised in such a way of a runway, disposed on the bearing ends of the lifting arms and having the shape of a circular arc, and of a path of rolling contact, adapted to axially fixedly guide the runway during pivoting of the lifting arms, that due to shifting of the point of load introduction in the saddle support occurring during a raising movement, reduction of a horizontal movement of the ladle occurs.

IPC 8 full level

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CPC (source: EP US)

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US 2007278722 A1 20071206; **US 7662337 B2 20100216**; AT E553222 T1 20120415; BR PI0701672 A 20080219; CN 101081683 A 20071205; CN 101081683 B 20130116; DE 102006026330 B3 20071031; EP 1862559 A1 20071205; EP 1862559 B1 20120411; ES 2384889 T3 20120713; RU 2007120534 A 20081210; RU 2431595 C2 20111020; ZA 200704381 B 20080827

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