

Title (en)

Apparatus for conducting operations inside a metallurgical vessel

Title (de)

Vorrichtung für Arbeiten in einem metallurgischen Gefäß

Title (fr)

Appareil pour effectuer des travaux à l'intérieur d'un récipient métallurgique

Publication

EP 2255905 B1 20111012 (DE)

Application

EP 10450076 A 20100505

Priority

AT 7632009 A 20090515

Abstract (en)

[origin: EP2255905A1] The device for carrying out a process under heat effect in a metallurgical container (1), comprises a movable carrier device (2) in the area of a furnace platform or processing platform (3) with a telescope arm pivotable in the carrier device, and a processing means (5) arranged with the carrier device in the interior of the metallurgical container. The processing means is controllably rotatable and/or pivotable related to its longitudinal axis on cantilever and activatable function means are positioned and/or positionable on the processing means. The device for carrying out a process under heat effect in a metallurgical container (1), comprises a movable carrier device (2) in the area of a furnace platform or processing platform (3) with a telescope arm pivotable in the carrier device, and a processing means (5) arranged with the carrier device in the interior of the metallurgical container. The processing means is controllably rotatable and/or pivotable related to its longitudinal axis on cantilever and activatable function means are positioned and/or positionable on the processing means. The function means are mountable with a connection- or tensioning device on the processing means in the area of the furnace platform in a magazine, and detachable from the area of the furnace platform. The processing means comprise more than two function means and arrangements for measuring the interior surface (11) of the metallurgical container, applying incombustible mass on wall area and base area, measuring temperature of the melt and/or slag and/or wall, removing sample, introducing sealing means for the tap hole, and for reducing the crusts from the slag.

IPC 8 full level

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CPC (source: EP)

B05B 13/0636 (2013.01); **B22D 41/023** (2013.01); **C21C 5/443** (2013.01); **F27D 1/16** (2013.01); **F27D 1/1636** (2013.01); **F27D 21/00** (2013.01); **F27D 25/00** (2013.01)

Cited by

CN102601456A; CN115463774A; CN114178099A; CN106132570A; EP3099428A4; WO2018019887A1; US11644242B2; WO2020139556A1

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