

Title (en)

Determination of the bath level in metallurgical containers

Title (de)

Bestimmung der Badspiegelhöhe in metallurgischen Gefäßen

Title (fr)

Détermination du niveau d'un récipient métallurgique.

Publication

EP 2327802 B1 20140521 (DE)

Application

EP 10014451 A 20101110

Priority

DE 102009052778 A 20091111

Abstract (en)

[origin: EP2327802A1] The method involves determination of bath level of metal bath (3) during charge with a cable-less transmitter-receiver system according to a radio frequency identification process by measuring radio waves-signal strength between a battery operated radio frequency transmitter and a radio frequency receiver (10). Reduction of the radio waves-signal strength at a distance between the radio frequency transmitter and the radio frequency receiver is used for momentary distance determination. The radio frequency receiver is arranged above a converter (1). An independent claim is also included for a device for determination of bath level of metal bath in a metallurgical container.

IPC 8 full level

C21C 5/46 (2006.01); **F27D 21/00** (2006.01)

CPC (source: EP)

C21C 5/4673 (2013.01); **F27D 21/0028** (2013.01)

Cited by

EP2423674B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2327802 A1 20110601; EP 2327802 B1 20140521; DE 102009052778 A1 20110512

DOCDB simple family (application)

EP 10014451 A 20101110; DE 102009052778 A 20091111