

Title (en)

DEVICE AND METHOD FOR SENSING A CONVEYING RATE OF A LIQUID MATERIAL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERFASSEN EINER FÖRDERRATE EINES FLÜSSIGEN MATERIALS

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR DÉTERMINER LA VITESSE D'ÉCOULEMENT D'UNE MATIÈRE LIQUIDE

Publication

**EP 3464654 B1 20200422 (DE)**

Application

**EP 17723696 A 20170516**

Priority

- DE 102016209238 A 20160527
- EP 2017061665 W 20170516

Abstract (en)

[origin: WO2017202639A1] The invention relates to a device and to a method for sensing a conveying rate at which liquid material is introduced into a metallurgical target vessel (6) from a pivotable starting vessel (4). For this purpose, means for determining an amount of liquid material with which the initial vessel (4) has been filled and means for sensing an amount of the liquid material that is discharged toward the target vessel (6) or introduced into the target vessel (6) by pivoting of the starting vessel (4) are provided.

IPC 8 full level

**C21C 5/50** (2006.01); **B22D 41/06** (2006.01)

CPC (source: EP US)

**B22D 37/00** (2013.01 - EP US); **C21C 5/4673** (2013.01 - EP US); **C21C 5/50** (2013.01 - EP US); **C21C 5/527** (2013.01 - US); **F27B 3/18** (2013.01 - EP US); **F27B 3/28** (2013.01 - EP US); **F27D 3/14** (2013.01 - EP US); **F27D 19/00** (2013.01 - EP US); **F27D 21/0035** (2013.01 - EP US); **C21C 2005/468** (2013.01 - EP US); **C21C 2005/5288** (2013.01 - US); **F27D 21/0028** (2013.01 - EP US); **F27D 2003/127** (2013.01 - EP US); **F27D 2019/0059** (2013.01 - EP US); **F27D 2019/0075** (2013.01 - EP US)

Cited by

EP3992310A1

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)

**WO 2017202639 A1 20171130**; CN 109804090 A 20190524; CN 109804090 B 20210921; DE 102016209238 A1 20171130; EP 3464654 A1 20190410; EP 3464654 B1 20200422; US 11149323 B2 20211019; US 2019136334 A1 20190509

DOCDB simple family (application)

**EP 2017061665 W 20170516**; CN 201780046331 A 20170516; DE 102016209238 A 20160527; EP 17723696 A 20170516; US 201716304334 A 20170516