

Title (en)
METHOD FOR BALANCING A FLOW OF LIQUID STEEL INTO A CASTING DIE AND CONTINUOUS FLOW SYSTEM FOR LIQUID STEEL

Title (de)
VERFAHREN ZUM AUSGLEICHEN EINES STROMS VON FLÜSSIGEM STAHL IN EINER KOKILLE UND DURCHFLUSSSYSTEM FÜR FLÜSSIGEN STAHL

Title (fr)
PROCÉDÉ POUR ÉQUILIBRER UN ÉCOULEMENT D'ACIER LIQUIDE DANS UNE LINGOTIÈRE ET SYSTÈME DE COULÉE CONTINUE D'ACIER LIQUIDE

Publication
EP 3986638 B1 20231122 (FR)

Application
EP 20731891 A 20200616

Priority
• BE 201905406 A 20190621
• EP 2020066604 W 20200616

Abstract (en)
[origin: CA3144776A1] This method for balancing a flow of liquid steel into a casting die, in which the steel is introduced into the casting die (12) from a distributor through a protective nozzle which opens below the steel level into the casting die, comprises the following steps: a) acquiring a set of characteristics of the flow in the casting die, b) comparing the flow characteristics acquired in the previous step with a predefined model and determining the adjustment actions to take in order to balance the flow, and c) adjusting the flow.

IPC 8 full level
B22D 2/00 (2006.01); **B22D 11/055** (2006.01); **B22D 11/18** (2006.01); **B22D 11/22** (2006.01)

CPC (source: EP KR US)
B22D 2/006 (2013.01 - EP KR US); **B22D 11/055** (2013.01 - EP KR US); **B22D 11/182** (2013.01 - EP KR US); **B22D 11/22** (2013.01 - EP KR US)

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)
BE 1026740 B1 20200528; AU 2020296236 A1 20220120; BR 112021025296 A2 20220201; CA 3144776 A1 20201224; EP 3986638 A1 20220427; EP 3986638 B1 20231122; EP 3986638 B8 20240117; EP 3986638 C0 20231122; ES 2972170 T3 20240611; JP 2022537447 A 20220825; KR 20220024523 A 20220303; MX 2021015683 A 20220203; PL 3986638 T3 20240408; US 2022355371 A1 20221110; WO 2020254309 A1 20201224

DOCDB simple family (application)
BE 201905406 A 20190621; AU 2020296236 A 20200616; BR 112021025296 A 20200616; CA 3144776 A 20200616; EP 2020066604 W 20200616; EP 20731891 A 20200616; ES 20731891 T 20200616; JP 2021576222 A 20200616; KR 20227001171 A 20200616; MX 2021015683 A 20200616; PL 20731891 T 20200616; US 202017619986 A 20200616