

Title (en)
DEVICE FOR REPROCESSING AND COOLING FOUNDRY SAND

Title (de)
VORRICHTUNG ZUR AUFBEREITUNG UND KÜHLUNG VON GIESSEREIFORMSAND

Title (fr)
DISPOSITIF DE TRAITEMENT ET DE REFROIDISSEMENT DE SABLE DE FONDERIE

Publication
EP 3223934 B1 20200226 (DE)

Application
EP 15798096 A 20151120

Priority
• DE 102014117509 A 20141128
• EP 2015077278 W 20151120

Abstract (en)
[origin: CN204770462U] The utility model relates to a handle device with cooling casting sand, including mixing tank with can be around rotatory the mixed instrument of drive shaft, wherein, provide and be used for feeding the air supply pipe into container inside with the air. In order to provide a modified device, through the device, produce more even fluidization layer as far as possible on mixing tank's whole cross section, in addition, the solid particle's that the air current was smuggled secretly proportion will reduce, according to the utility model discloses, a surface that the mixed instrument of has two at least mixing paddles that separate each other along the vertical direction, and at least one mixing paddle has a blender blade, and this blender blade has a relative level slope is proposed.

IPC 8 full level
B01F 27/91 (2022.01); **B01F 27/96** (2022.01); **B22C 5/04** (2006.01); **B22C 5/08** (2006.01); **B01F 23/00** (2022.01)

CPC (source: CN EP KR RU US)
B01F 23/60 (2022.01 - CN EP KR RU US); **B01F 27/191** (2022.01 - US); **B01F 27/192** (2022.01 - CN EP KR US);
B01F 27/2122 (2022.01 - CN EP KR US); **B01F 27/232** (2022.01 - KR); **B01F 27/2322** (2022.01 - CN EP US); **B01F 27/80** (2022.01 - RU);
B01F 27/808 (2022.01 - CN EP KR US); **B01F 27/90** (2022.01 - CN EP KR RU US); **B01F 35/53** (2022.01 - CN EP KR US);
B01F 35/90 (2022.01 - RU); **B01F 35/91** (2022.01 - CN EP KR US); **B22C 5/04** (2013.01 - RU); **B22C 5/044** (2013.01 - CN EP KR US);
B22C 5/08 (2013.01 - CN EP RU US); **B22C 5/085** (2013.01 - KR); **B01F 23/02** (2022.01 - US); **B01F 2035/98** (2022.01 - CN 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)
DE 102014117509 A1 20160602; BR 112017008058 A2 20171226; BR 112017008058 B1 20220524; CA 2964048 A1 20160602;
CA 2964048 C 20210316; CN 107000035 A 20170801; CN 107000035 B 20201016; CN 204770462 U 20151118; EP 3223934 A1 20171004;
EP 3223934 B1 20200226; ES 2787374 T3 20201016; HR P20200729 T1 20200724; JP 2017536974 A 20171214; JP 6648122 B2 20200214;
KR 102419659 B1 20220711; KR 20170088845 A 20170802; MX 2017005854 A 20170627; PL 3223934 T3 20200824; PT 3223934 T 20200518;
RU 2017113735 A 20181023; RU 2017113735 A3 20181115; RU 2675559 C2 20181219; SI 3223934 T1 20200731; TW 201618872 A 20160601;
TW I653109 B 20190311; UA 121487 C2 20200610; US 10464033 B2 20191105; US 2018229196 A1 20180816; WO 2016083270 A1 20160602;
ZA 201702860 B 20180926

DOCDB simple family (application)
DE 102014117509 A 20141128; BR 112017008058 A 20151120; CA 2964048 A 20151120; CN 201520115399 U 20150225;
CN 201580064627 A 20151120; EP 15798096 A 20151120; EP 2015077278 W 20151120; ES 15798096 T 20151120;
HR P20200729 T 20200506; JP 2017518509 A 20151120; KR 20177013401 A 20151120; MX 2017005854 A 20151120;
PL 15798096 T 20151120; PT 15798096 T 20151120; RU 2017113735 A 20151120; SI 201531160 T 20151120; TW 104133703 A 20151014;
UA A201705307 A 20151120; US 201515509807 A 20151120; ZA 201702860 A 20170424