

Title (en)
CRUCIBLE SKIMMING, STIRRING AND SAMPLE TAKING STATION

Title (de)
TIEGEL-ENTSCHLACKUNGS-, RÜHR- UND PROBENNAHMESTATION

Title (fr)
STATION POUR ÉCRÉMER, AGITER ET PRÉLÈVEMENT D'ÉCHANTILLON DANS UN CREUSET

Publication
EP 3165618 B1 20180801 (EN)

Application
EP 15382539 A 20151103

Priority
EP 15382539 A 20151103

Abstract (en)
[origin: EP3165618A1] Crucible skimming, stirring and sample taking station, for removing the dross from molten aluminum in a crucible (3), which has a robot (1) with an articulated arm (2), position detecting means (4) connected to the robot (1) for detection of the position of the crucible (3) on the horizontal plane X, Y, a skimming tool (6) for removing the bath from the molten aluminum in the crucible (3), a collecting box (8) in which the robot (1) throws away the bath removed from the crucible (3), a reactive dosifying system (12) which adds reactive components into the molten aluminum of the crucible (3), a stirring tool (7), a sample taking tool (10) and a control desk (11) for the control of the station. The articulated arm (2) of the robot (1) is configured to take and move in the three dimensions X, Y, Z the tools (6,7,10).

IPC 8 full level
B22D 43/00 (2006.01); **C22B 21/06** (2006.01)

CPC (source: EP)
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Citation (opposition)
Opponent : STAS, Inc.

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