

Title (en)
TUNDISH WITH FILTER MODULE

Title (de)
ZWISCHENBEHÄLTER MIT FILTERMODUL

Title (fr)
PANIER DE COULÉE DOTÉ DE MODULE DE FILTRE

Publication
EP 4334051 A1 20240313 (EN)

Application
EP 22727924 A 20220506

Priority
• EP 21172786 A 20210507
• EP 2022062319 W 20220506

Abstract (en)
[origin: WO2022234109A1] Filter module (1) of a filtering system for a tundish (10) comprises a filter unit (1f) provided with channels (1c) extending from a channel inlet to a channel outlet, and a wall module (2) comprising a wall defining an opening (2o) extending over an opening height (h2) from the floor (10f). A bypass passage (2b) is defined between the wall module (2) and the filter module (1) of largest width (t12) such that the metal melt can only flow from the inlet portion to the outlet portion by flowing either through the channels of the filter unit (1f) or through the bypass passage (2b). The wall module comprises a wall ledge (2L) having a width (t2L). The filter module (1) further comprises a filter ledge (1L) having a width (t1L) and being offset vertically relative to the wall ledge (2L) to form therewith a baffle.

IPC 8 full level
B22D 11/118 (2006.01); **B22D 11/119** (2006.01); **B22D 41/08** (2006.01)

CPC (source: CN EP KR US)
B22D 11/118 (2013.01 - EP KR); **B22D 11/119** (2013.01 - EP KR US); **B22D 41/00** (2013.01 - CN); **B22D 41/003** (2013.01 - EP KR US); **B22D 41/08** (2013.01 - EP KR US); **B22D 43/00** (2013.01 - EP); **B22D 43/004** (2013.01 - CN 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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022234109 A1 20221110; AU 2022268640 A1 20231109; BR 112023023191 A2 20240130; CA 3216140 A1 20221110; CL 2023003269 A1 20240524; CN 115301935 A 20221108; CN 218693828 U 20230324; EP 4334051 A1 20240313; JP 2024519531 A 20240515; KR 20240004469 A 20240111; MX 2023012604 A 20231103; TW 202308769 A 20230301; US 2024253111 A1 20240801

DOCDB simple family (application)
EP 2022062319 W 20220506; AU 2022268640 A 20220506; BR 112023023191 A 20220506; CA 3216140 A 20220506; CL 2023003269 A 20231103; CN 202210473096 A 20220429; CN 20221103552 U 20220429; EP 22727924 A 20220506; JP 2023568349 A 20220506; KR 20237038252 A 20220506; MX 2023012604 A 20220506; TW 111116817 A 20220504; US 202218289580 A 20220506