

Title (en)  
ASH PUSHING DEVICE

Title (de)  
ASCHE SCHUBVORRICHTUNG

Title (fr)  
DISPOSITIF DE POUSSÉE DE CENDRES

Publication  
**EP 3730839 A4 20210303 (EN)**

Application  
**EP 19750979 A 20190208**

Priority  
• JP 2018022206 A 20180209  
• JP 2019004662 W 20190208

Abstract (en)  
[origin: EP3730839A1] An ash discharger (1) includes an ash introduction opening (2), an ash cooling tank (3), a scraper (4), a driving unit (5) that drives the scraper (4), an ash discharge opening (6), a first communicating portion (7) inclined downward from the ash cooling tank (3), a float tank (8) connected to the first communicating portion (7), a liquid level gauge (24), a first liquid supply device (27) that supplies liquid to the discharge opening, a second liquid supply device (34) that supplies liquid to the ash cooling tank (3), and a control device (9) that controls the first liquid supply device (27) and the second liquid supply device (34). The control device (9) supplies the liquid up to a predetermined liquid level when the liquid surface has dropped, and supplies the liquid to a vicinity of the discharge opening (6) when a torque is equal to or greater than a predetermined value.

IPC 8 full level  
**F23J 1/00** (2006.01); **F23J 1/02** (2006.01); **F23J 1/06** (2006.01)

CPC (source: EP RU)  
**F23G 5/00** (2013.01 - RU); **F23J 1/02** (2013.01 - RU); **F23J 1/06** (2013.01 - EP); **F23J 2700/003** (2013.01 - EP); **F23J 2900/01006** (2013.01 - EP); **F23J 2900/01009** (2013.01 - EP); **F23J 2900/01021** (2013.01 - EP)

Citation (search report)  
• [A] JP S53111679 U 19780906  
• [A] JP H11166712 A 19990622 - SUMITOMO HEAVY INDUSTRIES  
• [A] JP H085049 A 19960112 - HITACHI SHIPBUILDING ENG CO  
• See references of WO 2019156221A1

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

DOCDB simple family (publication)  
**EP 3730839 A1 20201028; EP 3730839 A4 20210303**; CN 111630322 A 20200904; JP 2019138550 A 20190822; JP 6417617 B1 20181107; RU 2744426 C1 20210309; WO 2019156221 A1 20190815

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