

Title (en)
PUSH-TYPE CENTRIFUGE AND OPERATION METHOD FOR SAME

Title (de)
SCHUBZENTRIFUGE UND BETRIEBSVERFAHREN DAFÜR

Title (fr)
CENTRIFUGEUR DE TYPE À POUSSÉE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 3741459 A1 20201125 (EN)

Application
EP 18900791 A 20180921

Priority
• JP 2018005649 A 20180117
• JP 2018035039 W 20180921

Abstract (en)
The present invention includes a cylindrical basket (2) which has a cylindrical filtration screen (2a) provided in a body portion thereof and rotates about an axis (O); a processing object supply pipe (9) which is inserted into the basket (2) along the axis (O) and is configured to supply a processing object into the basket (2); a push plate (7) which is housed in the basket (2), is provided to be rotatable integrally with the basket (2) and to be capable of advancing and retreating relative to the basket (2) in a direction of the axis (O), and faces an opening of the processing object supply pipe (9) with a space therebetween; a pre-thickener (10) which is provided in a side surface of the push plate (7) facing the opening of the processing object supply pipe (9) and has an inclined filtration screen (10a) that goes toward a radially outer circumferential side with respect to the axis (O) as it goes toward the processing object supply pipe (9); and a cleaning liquid supply means (11) which is configured to supply a cleaning liquid toward the inclined filtration screen (10a) of the pre-thickener (10).

IPC 8 full level
B04B 3/02 (2006.01); **B04B 15/12** (2006.01)

CPC (source: EP KR)
B04B 3/02 (2013.01 - EP KR); **B04B 15/12** (2013.01 - EP KR)

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 3741459 A1 20201125; **EP 3741459 A4 20211006**; **EP 3741459 B1 20240717**; JP 2019122923 A 20190725; JP 6673947 B2 20200401; KR 20200099563 A 20200824; WO 2019142401 A1 20190725

DOCDB simple family (application)
EP 18900791 A 20180921; JP 2018005649 A 20180117; JP 2018035039 W 20180921; KR 20207020479 A 20180921