

Title (en)
SEPARATOR, SEPARATOR MILL AND METHOD FOR SEPARATING A GAS-SOLIDS MIXTURE

Title (de)
SICHTER, MÜHLE UND VERFAHREN ZUM SICHTEN EINES GAS-FESTSTOFF-GEMISCHS

Title (fr)
SÉPARATEUR À AIR, BROYEUR ET PROCÉDÉ D'ÉLUTRIATION D'UN MÉLANGE GAZ-SOLIDE

Publication
EP 3541534 B1 20210331 (DE)

Application
EP 17793649 A 20171102

Priority
• DE 102016121925 A 20161115
• EP 2017078061 W 20171102

Abstract (en)
[origin: WO2018091277A1] The present invention relates to a separator (10) having a separator housing (20), a separator wheel (30) arranged inside the separator housing (20) and having an axis of rotation (X), and a guide vane assembly (50) arranged in the separator housing (20), an annular space (26) being provided between the guide vane assembly (50) and the separator housing (20) radially (R) perpendicular to the axis of rotation (X). In order to increase separation performance, a peripheral annular gap (28) is provided in the vertical direction between the guide vane assembly (50) and a cover (24, 36).

IPC 8 full level
B07B 7/083 (2006.01); **B07B 11/04** (2006.01)

CPC (source: EP KR US)
B02C 23/08 (2013.01 - KR); **B07B 7/083** (2013.01 - EP KR US); **B07B 11/04** (2013.01 - EP KR US); **B02C 2015/002** (2013.01 - 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 102016121925 A1 20180517; BR 112019008923 A2 20190716; BR 112019008923 B1 20221116; CN 109952161 A 20190628; CN 109952161 B 20220531; EP 3541534 A1 20190925; EP 3541534 B1 20210331; ES 2866915 T3 20211020; JP 2019535515 A 20191212; JP 2022153641 A 20221012; JP 7396896 B2 20231212; KR 20190077401 A 20190703; KR 20230146116 A 20231018; US 11045838 B2 20210629; US 2019366385 A1 20191205; WO 2018091277 A1 20180524

DOCDB simple family (application)
DE 102016121925 A 20161115; BR 112019008923 A 20171102; CN 201780070195 A 20171102; EP 17793649 A 20171102; EP 2017078061 W 20171102; ES 17793649 T 20171102; JP 2019546981 A 20171102; JP 2022124592 A 20220804; KR 20197013643 A 20171102; KR 20237033741 A 20171102; US 201716349369 A 20171102