

Title (en)
PARTICLE SEPARATOR FOR FLUIDS HAVING AN OUTLET CHAMBER ARRANGED WITHIN AN INLET CHAMBER AND FLUIDICALLY CONNECTED TO SAME

Title (de)
PARTIKELABSCHIEDER FÜR FLUIDE MIT EINER INNERHALB EINER EINLASSKAMMER ANGEORDNETEN UND MIT DIESER STRÖMUNGSVERBUNDENEN AUSLASSKAMMER

Title (fr)
SÉPARATEUR DE PARTICULES POUR FLUIDES COMPORTANT UNE CHAMBRE D'ÉVACUATION AGENCÉE DANS UNE CHAMBRE D'ADMISSION ET RELIÉE À CELLE-CI PAR ÉCOULEMENT

Publication
EP 4200052 A1 20230628 (DE)

Application
EP 21761964 A 20210823

Priority
• AT 507062020 A 20200821
• AT 2021060290 W 20210823

Abstract (en)
[origin: WO2022036383A1] Described is a particle separator (1) for fluids having an outlet chamber (3) arranged within an inlet chamber (2) and fluidically connected to same, wherein the inlet chamber (2) has a curved guide surface (5) extending around a main axis (4) running transverse to the main flow direction in the inlet chamber (2) for the fluid flowing into the inlet chamber (2) via an inlet channel (6). To design a particle separator of the aforementioned type such that particles can be filtered out of the fluid largely independently of the orientation of the particle separator relative to the gravitational vector and do not enter the outlet channel even after separation of the fluid flow and possible positional change, it is proposed that the outlet chamber (3) is closed with respect to the inlet chamber (2) transverse to the direction of the main axis (4) and is open in the direction of the main axis (4) and that the outlet chamber (3) has an outlet channel (7) which extends through the inlet chamber (2).

IPC 8 full level
B01D 45/16 (2006.01); **B04C 5/04** (2006.01); **B04C 5/081** (2006.01); **B04C 5/28** (2006.01)

CPC (source: AT EP US)
B01D 45/16 (2013.01 - EP US); **B04C 3/00** (2013.01 - AT US); **B04C 5/04** (2013.01 - EP US); **B04C 5/081** (2013.01 - EP US); **B04C 5/28** (2013.01 - EP US); **B04C 7/00** (2013.01 - AT)

Citation (search report)
See references of WO 2022036383A1

Designated contracting state (EPC)
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BA ME

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KH MA MD TN

DOCDB simple family (publication)
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