

Title (en)
A CENTRIFUGAL SEPARATOR FOR CLEANING GAS

Title (de)
ZENTRIFUGALABSCHIEDER ZUM REINIGEN VON GAS

Title (fr)
SÉPARATEUR CENTRIFUGE POUR GAZ DE NETTOYAGE

Publication
EP 4335551 A1 20240313 (EN)

Application
EP 22194816 A 20220909

Priority
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Abstract (en)
The present invention provides a centrifugal separator (1) for cleaning gas containing contaminants. The centrifugal separator is comprising a stationary casing (2), enclosing a separation space (3) through which a gas flow is permitted, a gas inlet (20) extending through the stationary casing (2) and permitting supply of the gas to be cleaned and a rotating member (7) comprising a plurality of separation members (9) arranged in said separation space (3) and being arranged to rotate around an axis (X) of rotation. The separator (1) further comprises a gas outlet (28) configured to permit discharge of cleaned gas out from the stationary casing (2), a drainage outlet (25) configured to permit discharge from the centrifugal separator (1) of liquid contaminants that have been separated from the gas and a drive member (22) for rotating the rotating member (7). The centrifugal separator (1) further comprises a mounting bracket (30) configured for mounting the centrifugal separator (1) onto an engine or an engine block and engaged with the outer surface (4a) of the stationary casing (2). The mounting bracket (30) and the stationary casing (2) are configured to allow permanently engaging the mounting bracket (30) to the outer surface (4a) of the stationary casing (2) in different angular positions around the axis (X) of rotation.

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Citation (applicant)
US 8657908 B2 20140225 - ELIASSON THOMAS [SE]

Citation (search report)
• [XAY] EP 3660336 A1 20200603 - ALFDEX AB [SE]
• [YA] WO 2016193021 A1 20161208 - POLYTEC PLASTICS GERMANY GMBH & CO KG [DE]
• [A] EP 3112033 A1 20170104 - TOKYO ROKI KK [JP]

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