

Title (en)  
EXCHANGEABLE SEPARATION INSERT

Title (de)  
AUSTAUSCHBARER TRENNEINSATZ

Title (fr)  
INSERT DE SÉPARATION ÉCHANGEABLE

Publication  
**EP 3666392 A1 20200617 (EN)**

Application  
**EP 18211241 A 20181210**

Priority  
EP 18211241 A 20181210

Abstract (en)  
The present invention provides an exchangeable separation insert (1) for a centrifugal separator (100) comprising a rotor casing (2) enclosing a separation space (17) in which a stack (19) of separation discs is arranged to rotate around an axis (X) of rotation, said rotor casing (2) being axially arranged between a first (3) and second (4) stationary portion, a feed inlet (20) for supply of the fluid mixture to be separated to said separation space (17). The insert further comprises a light phase outlet (21) for discharge of a separated phase of a first density and a heavy phase outlet (22) for discharge of a separated phase of a second density higher than said first density, wherein said feed inlet (20) is arranged at a first axial end (5) of said rotor casing (2) and wherein one of said light phase outlet (21) and heavy phase outlet (22) are arranged at a second axial end (6), opposite the first axial end (5), of the rotor casing (2); a first rotatable seal (15) sealing and connecting said feed inlet (20) to a stationary inlet conduit (7) in said first stationary portion (3); and a second rotatable seal (16) for sealing and connecting one of said light phase outlet (21) and heavy phase outlet (22) to a stationary outlet conduit (8) in said second stationary portion (4).

IPC 8 full level  
**B04B 7/00** (2006.01); **B04B 1/08** (2006.01); **B04B 11/02** (2006.01)

CPC (source: EP)  
**B04B 1/08** (2013.01); **B04B 7/00** (2013.01); **B04B 11/02** (2013.01)

Citation (applicant)  
WO 2015181177 A1 20151203 - GEA MECHANICAL EQUIPMENT GMBH [DE]

Citation (search report)  
• [XII] EP 2567754 A1 20130313 - ALFA LAVAL CORP AB [SE]  
• [XII] EP 0241128 A1 19871014 - ALFA LAVAL SEPARATION AB [SE]  
• [AD] WO 2015181177 A1 20151203 - GEA MECHANICAL EQUIPMENT GMBH [DE]

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 3666392 A1 20200617**

DOCDB simple family (application)  
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