

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
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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).

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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]

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