

Title (en)

COALESCER VESSEL FOR SEPARATING WATER FROM LIQUID HYDROCARBONS

Title (de)

KOALESZERGEFÄSS ZUR ABSCHIEDUNG VON WASSER AUS FLÜSSIGEN KOHLENWASSERSTOFFEN

Title (fr)

RÉCIPIENT COALESCEUR POUR SÉPARER L'EAU D'HYDROCARBURES LIQUIDES

Publication

**EP 2934716 A1 20151028 (EN)**

Application

**EP 13864741 A 20131220**

Priority

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- DK 2013050453 W 20131220

Abstract (en)

[origin: WO2014094794A1] A coalescer vessel, a method and use of such a coalescer vessel, for filtering and separating a continuous phase fluid with low specific gravity (e.g. water) from a discontinuous phase fluid with a higher specific gravity (e.g. liquid hydrocarbons). The coalescer vessel comprises: - a container having an upper part (2) and a lower part (1) assembled and connected with assembling means, - a fluid inlet (26), a continuous phase fluid outlet (27) and a discontinuous phase fluid drain outlet (22) all three comprised in the lower part (1), - a coalesce filter medium (10,11) having a bottom surface (13) and confined in an internal filter medium container (9) arranged in the upper part (2), - a upstream fluid rising tube (6) in the coalesce filter medium (10, 11), and - a horizontal orientated disc assembly (14) below the bottom surface (13) comprising an upper and lower surface, wherein the upper surface has a plurality of baffle plates (15) for directing the fluid flow from the coalescer filter medium (10, 11) in a predominantly horizontal direction and the lower surface has demister means (16) pointing downwards.

IPC 8 full level

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