Title (en)

PUMPING UNIT WITH INTEGRATED SEPARATOR, VACUUM PUMP AND LIQUID PUMP

Title (de)

PUMPENAGGREGAT MIT INTEGRIERTEN ABSCHEIDER, VAKUUMPUMPE UND FÖRDERPUMPE

Title (fr)

UNITÉ DE POMPAGE AVEC SÉPARATEUR, POMPE À VIDE ET POMPE À LIQUIDE INTÉGRÉS

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Application

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Abstract (en)

[origin: WO2016116494A1] The invention relates to a pump unit (10), comprising: a separator (11), which comprises at least one fluid inlet (12, 12a) for a fluid mixture, which comprises liquid and gaseous media, at least one liquid outlet (13), and at least one gas outlet (14); a vacuum pump (19) integrated into the separator (11) for producing a vacuum in the separator (11), which vacuum pump communicates with the fluid inlet (12, 12a) and the gas outlet (14), wherein a pressure opening of the vacuum pump (19) forms the gas outlet (14) of the separator (11); a conveying pump (21) integrated into the separator (11) for suctioning the fluid collected in the separator (11), wherein a pressure opening of the conveying pump (21) forms the liquid outlet (13) of the separator (11), wherein the pump unit is characterized in that the vacuum pump (19) and the conveying pump (21) are arranged on a common motor shaft (17) of a drive motor (15).

IPC 8 full level

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