

Title (en)

OIL-LUBRICATED SLIDE VANE ROTARY VACUUM PUMP WITH OIL SEPARATING AND RECONDITIONING DEVICE

Title (de)

ÖLGESCHMIERTE DREHSCHIEBER-VAKUUMPUMPE MIT ÖLABSCHEIDE- UND WIEDERAUFBEREITUNGSEINRICHTUNG

Title (fr)

POMPE À VIDE À PALETTES LUBRIFIÉE À L'HUILE MUNIE D'UN DISPOSITIF DE SÉPARATION ET DE RECYCLAGE DE L'HUILE

Publication

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Application

EP 16723733 A 20160517

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- EP 2016060988 W 20160517

Abstract (en)

[origin: WO2016184839A1] The disclosure relates to an oil-lubricated slide vane rotary vacuum pump (1) with a slide vane unit (2), and with an oil separating and reconditioning device (3), wherein in the latter oil and gas are separated by separating devices, possibly complemented by oil coolers and/or oil pumps, wherein for said devices one or more monitoring and/or servicing devices (37) are provided, and the oil separating and reconditioning device (3) is installed in an oil separating and reconditioning housing (13), wherein side walls (14, 15) extend transversely to a plane of rotation of a slide vane rotor (6), and define a longitudinal extent of the oil separating and reconditioning housing (13). In order to further improve a slide vane rotary vacuum pump of the type in question in terms of handling and/or maintenance and/or production, it is proposed that the one or more monitoring and/or servicing devices (37) are arranged only in one or more cover parts (A, B, C) which are attached to one or both end walls (18, 19) of the oil separating and reconditioning housing (13), and moreover that the oil separating and reconditioning housing (13) is formed with the side walls (14, 15), the bottom wall (16) and the top wall (17) without being configured for a monitoring and/or servicing device (37).

IPC 8 full level

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Cited by

US11767845B2; WO2020178344A1

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