

Title (en)

MULTIPHASE PUMP WITH SEPARATOR, WHEREIN THE PROCESS FLUID LUBRICATES AND COOLS THE PUMP

Title (de)

MEHRPHASENPUMPE MIT ABSCHIEDER, WOBEI DAS PROZESSFLUID DIE PUMPE SCHMIERT UND KÜHLT

Title (fr)

POMPE POLYPHASIQUE AVEC SÉPARATEUR, AVEC LUBRIFICATION ET REFROIDISSEMENT DE LA POMPE PAR LE LIQUIDE DE TRAITEMENT

Publication

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Application

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Abstract (en)

[origin: WO2014095291A1] The invention relates to product-lubricated multiphase pump (2, 110, 116) for pumping a hydrocarbon-containing multiphase mixture. In order to achieve good cooling and lubrication of pump elements without a lot of operating fluid and operating fluid circuits, the multiphase pump (2, 110, 116) has a separation system (40) having a first separating stage (42) for at least partial separation of at least a part of the multiphase mixture into a plurality of phase-enriched components, and a feed system (66) for feeding a fluid-enriched fluid component as a lubricant to a pump element to be lubricated.

IPC 8 full level

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