

Title (en)

TOP PART OF A HOUSING OF A LABYRINTH PISTON COMPRESSOR AND METHOD FOR COOLING THE SAME

Title (de)

GEHÄUSEOBERTEIL EINES LABYRINTHKOLBENKOMPRESSORS UND VERFAHREN ZUM KÜHLEN DESSELBEN SOWIE LABYRINTHKOLBENKOMPRESSOR

Title (fr)

PARTIE SUPÉRIEURE DE BOÎTIER D'UN COMPRESSEUR À PISTON À LABYRINTHE ET SON PROCÉDÉ DE REFROIDISSEMENT

Publication

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Application

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Abstract (en)

[origin: WO2016016222A1] The housing upper part (1) for a labyrinth piston compressor comprises a cylinder barrel (2) running in the direction of a longitudinal axis (L), with a cylinder interior (2a) and a cylinder barrel exterior (2e), wherein the cylinder barrel (2) has at least one cylinder inlet opening (4, 4a, 4b) or at least one cylinder outlet opening (6, 6a, 6b) which open into the cylinder interior (2a), wherein a gas distribution housing (9a) at least partially encloses the cylinder barrel (2) in the circumferential direction with respect to the longitudinal axis (L) such that there is formed, between the gas distribution housing (9a) and at least one part section (2g) of the cylinder barrel exterior (2e) of the cylinder barrel (2), a gas distribution interior (9b), wherein the part section (2g) is axisymmetric with respect to the longitudinal axis (L), wherein the gas distribution interior (9b) is fluidically connected to the cylinder interior (2a) either via the cylinder inlet opening (4, 4a, 4b) or the cylinder outlet opening (6, 6a, 6b), and wherein the gas distribution housing (9a) comprises either a gas inlet (9) or a gas outlet (10) which is fluidically connected to the gas distribution interior (9b).

IPC 8 full level

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