

Title (en)
AGGREGATE WITH THROUGH FLOW BY A FLUID

Publication
EP 0204011 B1 19901024 (DE)

Application
EP 85106624 A 19850529

Priority
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Abstract (en)
[origin: EP0204011A1] 1. A fluid flow facilitating device, an aggregate through which flows fluid, within a cylinder (2) reciprocable piston (4), a from the piston in axial direction extended shaft (7), a the cylinder on one of its axial ends closing and the shaft sealingly guiding cover (3), a by the cylinder (2), piston (4), shaft (7) and cover (3) boarded cylinder-chamber (1, 61), in the wall of the cylinder provided outlet passages (6) for leading fluid out of the cylinder-chamber with the outlet passages periodically openable and closeable during the movement of the piston by a corner of the piston and an in the cover provided inlet passage (9) for leading fluid into the cylinder-chamber with the inlet passage openable and closeable by reciprocating movement of the shaft, while the inlet- and outlet passages are so arranged that fluid flows in a one-way direction, which direction is parallel to the movement of the piston, from the inlet passage to the outlet passage and that the fluid during this one-directional flow is compressed and passed out from the cylinder-chamber or utilized to drive the piston (4), characterized therein, that the piston-shaft (7) is provided with a radially outwardly open, fully along the periphery of the shaft extended, circular control-recess (15, 45) which recess for the control of the inlet passage (9) cooperates with a portion of the shaft surrounding and in the over (3) provided inlet-space (315), and, that the piston-shaft (7) is in the relative to the piston (4) opposed direction from the control recess (15, 315) provided with an extension (777), which is sealingly guideable in the cover (3).

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Cited by
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