

Title (en)

PUMP WITH PISTONS AND CYLINDERS IN AXIAL ARRANGEMENT

Publication

EP 0017552 B1 19811104 (FR)

Application

EP 80400385 A 19800321

Priority

FR 7908006 A 19790330

Abstract (en)

[origin: US4342544A] A reciprocating pump comprising several pumping volumes formed by cylinders fixed to a frame in an axial piston arrangement, and by pistons capable of sliding in the cylinders under the action of a driving mechanism, and including a ducting assembly conveying the liquid to be displaced from a general intake conduit to the pumping volumes, through intake valves, and from the pumping volumes to a general delivery conduit, through delivery valves. The ducting assembly comprises both a central cylinder head through which passes a central distribution channel connected to the general intake conduit and supplying off-take passages which radiate around it to the side bearing surfaces, and side cylinder heads through which run passages conveying the liquid.

IPC 1-7

F04B 1/14

IPC 8 full level

F04B 1/14 (2006.01)

CPC (source: EP US)

F04B 1/14 (2013.01 - EP US)

Cited by

DE8514497U1

Designated contracting state (EPC)

AT BE CH DE GB IT NL SE

DOCDB simple family (publication)

EP 0017552 A1 19801015; EP 0017552 B1 19811104; AT E363 T1 19811115; DE 3060068 D1 19820114; FR 2461127 A1 19810130; FR 2461127 B1 19820226; US 4342544 A 19820803

DOCDB simple family (application)

EP 80400385 A 19800321; AT 80400385 T 19800321; DE 3060068 T 19800321; FR 7908006 A 19790330; US 13585280 A 19800328