

Title (en)
Improvement for radial piston pumps

Title (de)
Verbesserung von Radialkolbenpumpen

Title (fr)
Perfectionnement aux pompes à barillet

Publication
EP 1887222 B1 20091028 (FR)

Application
EP 07290798 A 20070627

Priority
FR 0606863 A 20060726

Abstract (en)
[origin: EP1887222A1] The pump has bores (2a, 2b) communicate with a supply duct by ducts emptying into a chamber that is located behind a spring barrel (1). A conveyor collector (9) is equipped with a cup that communicates with a conveyor duct. The collector is eccentric relative to the axis of the spring barrel, such that each of the ducts empties into the chamber during a half-turn. The collector is balanced hydrostatically by pressure, and resting against the rear surface of the spring barrel.

IPC 8 full level
F04B 1/107 (2006.01); **F04B 1/047** (2006.01)

CPC (source: EP US)
F04B 1/0472 (2013.01 - EP US); **F04B 1/1072** (2013.01 - EP US)

Cited by
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EP 1887222 A1 20080213; **EP 1887222 B1 20091028**; DE 602007002954 D1 20091210; FR 2904380 A1 20080201; US 2008025850 A1 20080131

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EP 07290798 A 20070627; DE 602007002954 T 20070627; FR 0606863 A 20060726; US 87868807 A 20070726