

Title (en)
Fluid pumping apparatus with Helmholtz-resonator

Title (de)
Fluidpumpe mit Helmholtz-Resonator

Title (fr)
Pompe pour fluide avec résonateur de Helmholtz

Publication
EP 1647713 B1 20181212 (EN)

Application
EP 05109513 A 20051013

Priority
IT BO20040639 A 20041015

Abstract (en)
[origin: EP1647713A2] A pumping apparatus for fluids, in particular oil. The pumping apparatus includes a pump (10), a hydraulic circuit connected hydraulically to the pump (10), and a device (100) for damping vibration of the pumping apparatus. The device is a Helmholtz resonator (100) which is integrated in a cover (23) of the pump (10). The resonator (100) is in direct fluid communication with the pressurized side of the pump (10) through a channel formed inbetween a bearing (20) and a bearing seat (13a, 13b) of the pump (10).

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Cited by
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