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(54) **Fluid pumping apparatus with Helmholtz-resonator**

(57) 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).

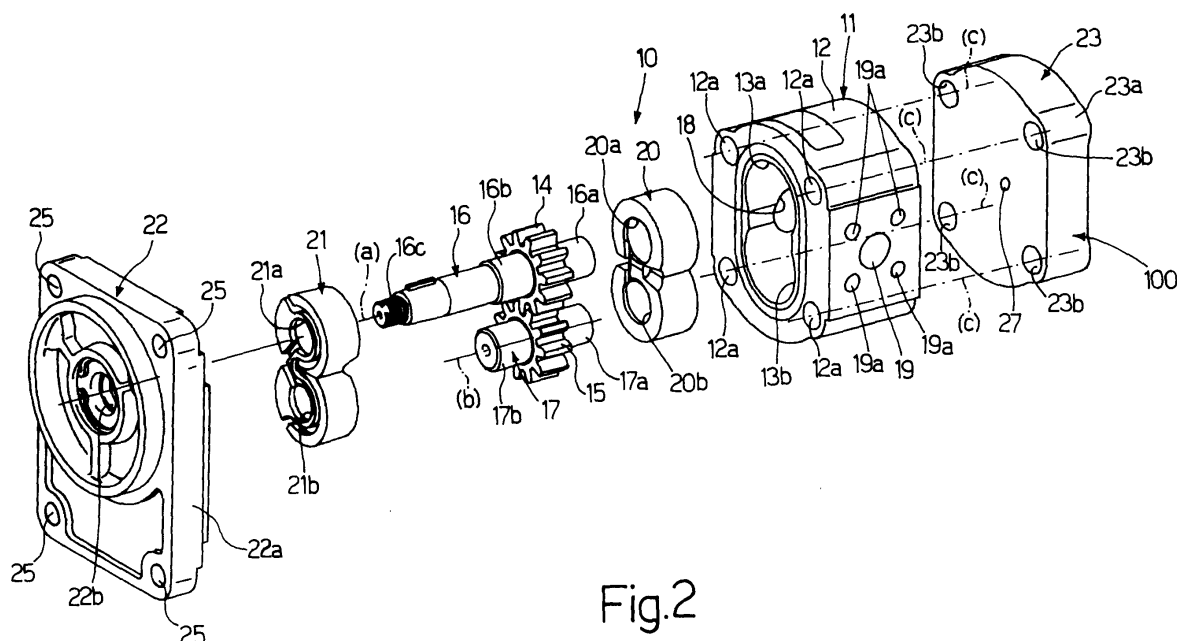


Fig.2



EUROPEAN SEARCH REPORT

Application Number
EP 05 10 9513

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 18 September 2012	Examiner Alquezar Getan, M
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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