

Title (en)

GEAR PUMP AND METHOD OF DELIVERING FLUID USING SUCH A PUMP

Title (de)

GETRIEBEPUMPE UND VERFAHREN ZUR FLÜSSIGKEITSAUSGABE MITTELS EINER SOLCHEN PUMPE

Title (fr)

POMPE A ENGRENAGE ET PROCEDE DE DISTRIBUTION DE FLUIDE UTILISANT UNE TELLE POMPE

Publication

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Application

EP 08828028 A 20080623

Priority

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Abstract (en)

[origin: WO2009024663A2] The present invention relates to a gear pump capable of delivering a fluid alternately into two separate use circuits without a switch. The gear pump (1) is characterized in that it includes two fluid outlet orifices (5, 6) connected to two fluid use circuits and communicating with the delivery chamber (C) of the pump via integrated switching means (7). These switching means (7) comprise two distribution circuits (50, 60) provided in a fixed plate (70) and two buffer channels (30, 40) provided in the rotary toothed wheels (3), which are designed to open and close said distribution circuits alternately, in a switching cycle corresponding approximately to the rotation of the toothed wheels over a half-turn.

IPC 8 full level

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