

Title (en)

Method of controlling a cyclically commutated hydraulic pump

Title (de)

Verfahren zur Steuerung einer zyklisch kommutierten hydraulischen Pumpe

Title (fr)

Procédé de contrôle de pompe hydraulique commutée cycliquement

Publication

**EP 2055947 B1 20100721 (EN)**

Application

**EP 08016530 A 20080919**

Priority

- EP 07254332 A 20071101
- EP 07254337 A 20071101
- EP 07254331 A 20071101
- EP 07254333 A 20071101
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Abstract (en)

[origin: EP2055947A1] When employing synthetically commutated hydraulic pumps (1), a time delay between a change in fluid flow demand (15) and the resulting fluid low output (13) can be observed. It is suggested to use a time evolvment function, taking into account the time evolvment of the fluid flow demand and/or the time evolvment of the pumping strokes, to modify the actuation of the electrically commutated valves. The said time evolvment function comprises a variable being indicative of a fluid flow demand, wherein a threshold level of said variable is chosen in a way that a pumping/motoring stroke is initiated in advance of the actual demand.

IPC 8 full level

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CPC (source: EP)

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Cited by

GB2477997A; JP2012523515A; GB2477997B; AU2018204487B1; US9739266B2; US9133838B2; US9133839B2; US9010104B2; US9797393B2; US9828986B2

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