

Title (en)
ENGINE SPEED-DEPENDENT PRESSURE REGULATION OF OIL PUMPS

Title (de)
DREHZAHLABH NGIGE DRUCKREGELUNG VON LPUMPEN

Title (fr)
REGULATION DE LA PRESSION DE POMPES A HUILE EN FONCTION DU REGIME DU MOTEUR

Publication
EP 1730405 A1 20061213 (DE)

Application
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Priority

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Abstract (en)
[origin: WO2005057013A1] An engine speed-dependent oil pressure regulation of control oil pumps for the lubricant supply of internal combustion engines is ensured by a control piston (1) that hydraulically controls the delivery regulation and to which a differential pressure piston (20) applies a variable additional force. For this purpose, a centrifugal force which is generated in a radial bore (26) of a rotating conveyor wheel (5) of the control oil pump and is variable as a function of engine speed is applied to the differential pressure piston (20).

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