

Title (en)
Hydraulic assembly

Title (de)
Hydraulikaggregat

Title (fr)
Ensemble hydraulique

Publication
EP 2330304 A1 20110608 (DE)

Application
EP 09014848 A 20091130

Priority
EP 09014848 A 20091130

Abstract (en)
The hydraulic power unit (A) has high pressure and low pressure-pump stages (4,5) that are rotationally driven by an electric motor (6), where the pump stages are attached to a common pressure line (9) and a reservoir (R). The low pressure-pump stage is formed and is hydraulically interconnected such that its delivery rate is conducted from reaching the predetermined pressure level by a reversal of rotation direction of reservoir.

Abstract (de)
In einem Hydraulikaggregat (A) mit von einem Elektromotor (6) drehangetriebenen Hochdruck- und Niederdruck-Pumpenstufen (4, 5) zwischen einem Reservoir (R) und einer gemeinsamen Druckleitung (9) ist die jeweilige Niederdruck-Pumpenstufe (5) so ausgebildet und hydraulisch so verschaltet, dass ihr Förderstrom ab Erreichen eines vorbestimmten Druckniveaus in der Druckleitung (9) durch eine Drehrichtungsumkehr zum Reservoir (R) leitbar ist.

IPC 8 full level
F15B 11/17 (2006.01); **B30B 15/16** (2006.01); **F04B 23/04** (2006.01); **F04B 49/035** (2006.01)

CPC (source: EP US)
B30B 15/16 (2013.01 - EP); **F04B 23/10** (2013.01 - EP US); **F04B 23/12** (2013.01 - EP US); **F04B 49/002** (2013.01 - EP); **F04B 49/007** (2013.01 - EP); **F04B 49/08** (2013.01 - EP); **F15B 11/17** (2013.01 - EP US); **F15B 2211/20538** (2013.01 - EP); **F15B 2211/20561** (2013.01 - EP); **F15B 2211/20592** (2013.01 - EP); **F15B 2211/2658** (2013.01 - EP)

Citation (search report)
• [A] GB 2070693 A 19810909 - SAME SPA
• [A] JP S6487884 A 19890331 - MATSUSHITA ELECTRIC IND CO LTD
• [A] US 4008571 A 19770222 - EVANS DAFYDD WILLIAMS
• [A] JP 2005090351 A 20050407 - TOYOTA MOTOR CORP

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

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