

Title (en)

Hydraulic pressure supply unit and electro-hydraulic work unit

Title (de)

Hydraulische Druckversorgungseinheit und elektrohydraulische Arbeitseinheit

Title (fr)

Unité hydraulique d'alimentation en pression et unité de traitement électro-hydraulique

Publication

**EP 1780420 B1 20091014 (DE)**

Application

**EP 06122576 A 20061019**

Priority

AT 7422005 U 20051028

Abstract (en)

[origin: EP1780420A2] The unit supplying a mechanism with hydraulic pressure comprises two alternately pressurized outlets (6,7), a high pressure (9) and a low pressure pump (10) with a mutual reversible electric drive (11) and two complementary check valves (8). The outlets of the pumps (9,10) are separated by check valves (13) and each pump (9,10) is connected with a two-way valve (14,15) to a supply unit for a hydraulic fluid. Both outlets of the low pressure pump (10) can be connected to the tank (12) by pressure switch valves (16,17) which are connected to the outlets of the high pressure pump (9). An independent claim is given for a unit incorporating the arrangement.

IPC 8 full level

**F15B 11/02** (2006.01); **F15B 7/00** (2006.01); **F15B 11/17** (2006.01); **F16H 61/44** (2006.01)

CPC (source: EP KR US)

**F15B 7/00** (2013.01 - KR); **F15B 7/001** (2013.01 - EP US); **F15B 7/006** (2013.01 - EP US); **F15B 11/00** (2013.01 - KR); **F15B 11/022** (2013.01 - EP US); **F15B 11/17** (2013.01 - EP US); **F15B 2211/20515** (2013.01 - EP US); **F15B 2211/20538** (2013.01 - EP US); **F15B 2211/20561** (2013.01 - EP US); **F15B 2211/20592** (2013.01 - EP US); **F15B 2211/2654** (2013.01 - EP US); **F15B 2211/3051** (2013.01 - EP US); **F15B 2211/50536** (2013.01 - EP US); **F15B 2211/528** (2013.01 - EP US); **F15B 2211/55** (2013.01 - EP US); **F15B 2211/5756** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US); **F15B 2211/775** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**AT 8986 U1 20070315**; CN 1971068 A 20070530; CN 1971068 B 20100721; DE 502006005089 D1 20091126; EP 1780420 A2 20070502; EP 1780420 A3 20080402; EP 1780420 B1 20091014; KR 101311009 B1 20130924; KR 20070046015 A 20070502; US 2007095060 A1 20070503; US 7493757 B2 20090224

DOCDB simple family (application)

**AT 7422005 U 20051028**; CN 200610172903 A 20061027; DE 502006005089 T 20061019; EP 06122576 A 20061019; KR 20060105447 A 20061030; US 58835206 A 20061027