

Title (en)  
Hydraulic pressure supply system

Title (de)  
Hydraulisches Druckversorgungssystem

Title (fr)  
Système d'alimentation en pression hydraulique

Publication  
**EP 2878829 A1 20150603 (EN)**

Application  
**EP 14187163 A 20140930**

Priority  
GB 201319116 A 20131030

Abstract (en)  
A pressurised fluid supply system (1) for an agricultural vehicle (1a) includes a fixed displacement pump (2) and a tank (3) to receive fluid. A first valve assembly (20) is arranged to adjust the pressure differential of the supply system, whereby the system provides two pressure differential levels and at least one of those results in a fluid flow in the direction from the pump (2) to a consumer coupling (5a). An amplifying valve (41) is arranged to superpose a load sensing pressure signal of an external consumer (4) of the fluid supply system with the pump pressure. The amplifying valve (41) is provided with first and second tank connections respectively including first (43) and second (44) valves to limit the fluid flow in the tank connection.

IPC 8 full level  
**F15B 11/16** (2006.01)

CPC (source: EP)  
**F15B 11/163** (2013.01); **E02F 9/2225** (2013.01); **F15B 2211/20538** (2013.01); **F15B 2211/3111** (2013.01); **F15B 2211/50536** (2013.01); **F15B 2211/528** (2013.01); **F15B 2211/6051** (2013.01); **F15B 2211/653** (2013.01); **F15B 2211/7142** (2013.01)

Citation (search report)

- [X] EP 1843047 A2 20071010 - AGCO GMBH [DE]
- [X] WO 2005093263 A1 20051006 - BUCHER HYDRAULICS GMBH [DE], et al
- [X] EP 1783378 A2 20070509 - AGCO GMBH [DE]

Cited by  
SE2150253A1; SE545533C2; WO2022186752A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2878829 A1 20150603; EP 2878829 B1 20180425**; GB 201319116 D0 20131211

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