

Title (en)  
Hydraulic passive suspension system

Title (de)  
Hydraulisches passives Federungssystem

Title (fr)  
Système hydraulique de suspension passive

Publication  
**EP 1574626 B1 20070808 (DE)**

Application  
**EP 05101766 A 20050308**

Priority  
DE 102004012362 A 20040313

Abstract (en)  
[origin: EP1574626A1] The hydraulic drive assembly (10), for agricultural machinery mounted on a tractor, is a passive spring system with a hydraulic cylinder (26) divided by a piston (29) into two chambers (28,30). The control (12) has an additional switch position, apart from the three workings to raise and lower the equipment and a neutral condition, to give a spring setting which links the supply line for the second cylinder chamber to the hydraulic tank (20) and, at the same time, breaks the connection between the first (22) and second cylinder supply lines and the pump (18).

IPC 8 full level  
**E02F 9/22** (2006.01)

CPC (source: EP US)  
**E02F 9/2207** (2013.01 - EP US); **E02F 9/2217** (2013.01 - EP US); **F15B 11/003** (2013.01 - EP US); **F15B 2211/50545** (2013.01 - EP US)

Cited by  
CN105229242A; EP3943440A1; EP1914353A3; FR2923352A1; US8204655B2; US11427987B2

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 1574626 A1 20050914; EP 1574626 B1 20070808**; AU 2005201082 A1 20050929; AU 2005201082 B2 20100722; CA 2500627 A1 20050913; CA 2500627 C 20080812; DE 102004012362 A1 20050922; DE 502005001155 D1 20070920; ES 2289652 T3 20080201; NZ 538731 A 20060224; US 2005198949 A1 20050915; US 7140178 B2 20061128

DOCDB simple family (application)  
**EP 05101766 A 20050308**; AU 2005201082 A 20050311; CA 2500627 A 20050311; DE 102004012362 A 20040313; DE 502005001155 T 20050308; ES 05101766 T 20050308; NZ 53873105 A 20050310; US 7764505 A 20050311