

Title (en)

LOW-LOSS DRIVE SYSTEM FOR A PLURALITY OF HYDRAULIC ACTUATORS

Title (de)

VERLUSTARMER ANTRIEB FÜR MEHRERE HYDRAULISCHE AKTUATOREN

Title (fr)

SYSTEME D'ENTRAÎNEMENT A FAIBLE PERTE POUR PLUSIEURS ACTUATEURS HYDRAULIQUES

Publication

**EP 0873475 A1 19981028 (DE)**

Application

**EP 96944055 A 19961221**

Priority

- DE 19600650 A 19960110
- DE 19642163 A 19961012
- EP 9605801 W 19961221

Abstract (en)

[origin: US6205780B1] The invention related to a drive system with at least two hydraulic actuators, which are supplied with a hydraulic fluid by means of at least one pump. The drive system comprises at least one further second pump (15') arranged parallel to the first pump (15), wherein the pumps are bi-directionally speed-regulated, and a valve arrangement (59) with one inlet per pump (61.1, 61.2), wherein each one of the inlets is connected to a pump (15), and with a number of outlets (63.1, 63.1', . . . 63.4, 63.4') which are connected to the actuators (1.1 . . . 1.4), wherein the inlets (61) can be connected to the outlets (63) in a pre-determined manner.

IPC 1-7

**F15B 11/17**; **F15B 7/00**

IPC 8 full level

**F15B 11/08** (2006.01); **F15B 11/17** (2006.01)

CPC (source: EP US)

**F15B 11/08** (2013.01 - EP US); **F15B 11/17** (2013.01 - EP US); **F15B 2211/20561** (2013.01 - EP US); **F15B 2211/20576** (2013.01 - EP US); **F15B 2211/2658** (2013.01 - EP US); **F15B 2211/27** (2013.01 - EP US); **F15B 2211/30585** (2013.01 - EP US); **F15B 2211/6303** (2013.01 - EP US); **F15B 2211/6336** (2013.01 - EP US); **F15B 2211/6651** (2013.01 - EP US); **F15B 2211/6658** (2013.01 - EP US); **F15B 2211/71** (2013.01 - EP US)

Citation (search report)

See references of WO 9725532A1

Cited by

DE102010034187A1; DE102010024025A1; EP2397703A3; CN107013519A; DE102017000523B4; DE102015218731A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**US 6205780 B1 20010327**; AU 1377997 A 19970801; DE 59611324 D1 20060406; EP 0873475 A1 19981028; EP 0873475 B1 20031015; TW 401486 B 20000811; WO 9725532 A1 19970717

DOCDB simple family (application)

**US 10150299 A 19990216**; AU 1377997 A 19961221; DE 59611324 T 19961221; EP 9605801 W 19961221; EP 96944055 A 19961221; TW 86100222 A 19970110