

Title (en)

METHOD FOR CONTROLLING A HYDROSTATIC DRIVE

Title (de)

VERFAHREN ZUM STEUERN EINES HYDROSTATISCHEN ANTRIEBS

Title (fr)

PROCÉDÉ DE COMMANDE D'UN SYSTÈME DE TRANSMISSION HYDROSTATIQUE

Publication

EP 2238350 A1 20101013 (DE)

Application

EP 08866733 A 20081222

Priority

- EP 2008011027 W 20081222
- DE 102007062888 A 20071228

Abstract (en)

[origin: WO2009083222A1] The invention relates to a method for controlling a hydrostatic drive having at least one first hydraulic consumer and one second hydraulic consumer. The two hydraulic consumers are driven by a common drive machine. First of all, a first power requirement of the first hydraulic consumer is determined (20). Proceeding from the determined first power requirement, the free power which is available as a result of the common drive machine is determined (21). This available free power of the common drive machine is scaled onto a possible actuating path of a control transmitter for the working hydraulics (22). A position of the control transmitter for actuating the second hydraulic consumer is determined (23) and a power requirement is assigned on the basis of the scaled available free power. An operating point of the common drive machine is fixed from the first power requirement and the second power requirement (24).

IPC 8 full level

F04B 49/06 (2006.01); **E02F 9/20** (2006.01); **E02F 9/22** (2006.01); **F15B 11/16** (2006.01); **F16H 61/475** (2010.01)

CPC (source: EP US)

B60W 10/06 (2013.01 - EP US); **B60W 10/103** (2013.01 - EP US); **B60W 10/30** (2013.01 - EP US); **B60W 30/1882** (2013.01 - EP US); **E02F 9/2235** (2013.01 - EP US); **E02F 9/2246** (2013.01 - EP US); **E02F 9/2253** (2013.01 - EP US); **F04B 49/065** (2013.01 - EP US); **F16H 61/475** (2013.01 - EP US); **B60W 2510/305** (2013.01 - EP US); **F04B 2201/1203** (2013.01 - EP US); **F04B 2203/0604** (2013.01 - EP US)

Citation (search report)

See references of WO 2009083222A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007062888 A1 20090702; CN 101910634 A 20101208; CN 101910634 B 20130327; EP 2238350 A1 20101013; JP 2011508142 A 20110310; US 2010324791 A1 20101223; US 8380407 B2 20130219; WO 2009083222 A1 20090709

DOCDB simple family (application)

DE 102007062888 A 20071228; CN 200880122737 A 20081222; EP 08866733 A 20081222; EP 2008011027 W 20081222; JP 2010540065 A 20081222; US 74556908 A 20081222