Title (en)
ARRANGEMENT FOR SUPPLYING A HYDRAULIC SYSTEM WITH HYDRAULIC FLUID

Title (de)
ANORDNUNG ZUR VERSORGUNG EINES HYDRAULIKSYSTEMS MIT HYDRAULIKFLÜSSIGKEIT

Title (fr)
AGENCEMENT D'ALIMENTATION D'UN SYSTÈME HYDRAULIQUE EN LIQUIDE HYDRAULIQUE

Publication
EP 2406502 A1 20120118 (DE)

Application
EP 10707035 A 20100305

Priority
• EP 2010052833 W 20100305
• DE 102009001448 A 20090310

Abstract (en)
[origin: WO2010102957A1] The invention relates to an arrangement (10) for supplying a hydraulic system with hydraulic fluid, comprising a working reservoir (12) for accommodating the hydraulic fluid provided for the operation of the hydraulic system and comprising an auxiliary reservoir (16) connected to the working reservoir (12) by means of a hydraulic line (14) for temporarily storing hydraulic fluid taken from the working reservoir (12). According to the invention, an air-conveying device (28) is present which is connected on one side on the low-pressure side to a suction line (32) that opens into a liquid-free area (30) of the auxiliary reservoir (16) so that a negative pressure can be built up in the auxiliary reservoir (16) relative to the atmospheric ambient pressure, and which is connected on the other side to a control line (34), which comprises a control opening (36a, 36b), which is covered by the hydraulic fluid located in the working reservoir (12) at least before the air-conveying device (28) is started up.

IPC 8 full level
F15B 1/26 (2006.01)

CPC (source: EP)
F15B 1/265 (2013.01); F15B 2211/20592 (2013.01); F15B 2211/615 (2013.01)

Citation (search report)
See references of WO 2010102957A1

Cited by
CN104047928A; FR3030650A1; WO2016097512A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010102957 A1 20100916; EP 2406502 A1 20120118; EP 2406502 B1 20130227

DOCDB simple family (application)
EP 2010052833 W 20100305; EP 10707035 A 20100305