

Title (en)
HYDRAULIC SYSTEM

Title (de)
HYDRAULIKSYSTEM

Title (fr)
SYSTÈME HYDRAULIQUE

Publication
EP 2855945 B1 20180314 (DE)

Application
EP 13711642 A 20130320

Priority
• DE 102012209142 A 20120531
• EP 2013055747 W 20130320

Abstract (en)
[origin: WO2013178373A1] The invention relates to a hydraulic system, preferably for actuating and engaging a mobile slurry pump. The hydraulic system comprises a primary circuit, actuating a first hydraulic consumer, which circuit has a hydraulic drive assembly comprising at least one motor-driven hydraulic pump (1, 2, 44). The hydraulic system further comprises a secondary circuit 11, actuating a second hydraulic consumer, which circuit has a second hydraulic drive assembly comprising at least one additional motor-driven hydraulic pump (22). In a first operating state, hydraulic oil from a common tank (60) can be admitted to the hydraulic consumers (7, 8; 24) arranged in the primary circuit and in the secondary circuit 11 via the hydraulic drive assemblies thereof, independently of one another. In a second operating state, a portion of the hydraulic oil is supplied from the primary circuit 1 to the secondary circuit 11 to actuate the second consumer (24).

IPC 8 full level
F15B 11/17 (2006.01)

CPC (source: CN EP KR US)
E02F 9/2292 (2013.01 - US); **F04B 9/1178** (2013.01 - US); **F04B 15/02** (2013.01 - CN EP KR US); **F04B 49/06** (2013.01 - CN EP KR US); **F15B 7/006** (2013.01 - CN EP KR US); **F15B 11/17** (2013.01 - KR US); **F15B 13/027** (2013.01 - US); **F15B 13/028** (2013.01 - US); **F15B 13/06** (2013.01 - US); **F15B 2211/20538** (2013.01 - EP); **F15B 2211/20546** (2013.01 - CN EP KR US); **F15B 2211/20561** (2013.01 - CN EP KR US); **F15B 2211/20576** (2013.01 - US); **F15B 2211/216** (2013.01 - EP); **F15B 2211/26** (2013.01 - US); **F15B 2211/27** (2013.01 - CN EP US); **F15B 2211/3059** (2013.01 - US); **F15B 2211/31594** (2013.01 - US); **F15B 2211/4159** (2013.01 - US); **F15B 2211/428** (2013.01 - US); **F15B 2211/613** (2013.01 - CN EP US); **F15B 2211/7053** (2013.01 - CN EP US); **F15B 2211/7114** (2013.01 - US); **F15B 2211/7121** (2013.01 - CN EP US); **F15B 2211/781** (2013.01 - US)

Citation (opposition)
Opponent : Schwing GmbH,
• CN 102400968 A 20120404 - SANY HEAVY IND CO LTD
• DE 3703297 A1 19880818 - FENDT & CO XAVER [DE]
• JP H0914128 A 19970114 - KYOKUTO KAIHATSU KOGYO CO
• DE 1952034 A1 19710422 - LINDE AG
• CN 101824915 B 20110921 - CHANGSHA ZOOMLION HEAVY IND
• CN 202001241 U 20111005 - MACHINERY BRANCH CO LTD OF XCMG CONSTRUCTION MACHINERY CO LTD CONST
• DE 4100988 A1 19920716 - LINDE AG [DE]
• DE 3243738 A1 19840530 - SCHLECHT KARL

Cited by
DE102018209513B3; US11231054B2

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

DOCDB simple family (publication)
WO 2013178373 A1 20131205; CN 104508307 A 20150408; CN 104508307 B 20161228; DE 102012209142 A1 20131205; EP 2855945 A1 20150408; EP 2855945 B1 20180314; EP 2855945 B2 20231101; JP 2015518945 A 20150706; JP 6214639 B2 20171018; KR 102166576 B1 20201019; KR 20150018768 A 20150224; KR 20200099214 A 20200821; TR 201806948 T4 20180621; US 10273984 B2 20190430; US 2015096290 A1 20150409

DOCDB simple family (application)
EP 2013055747 W 20130320; CN 201380023654 A 20130320; DE 102012209142 A 20120531; EP 13711642 A 20130320; JP 2015514387 A 20130320; KR 20147026848 A 20130320; KR 20207023228 A 20130320; TR 201806948 T 20130320; US 201314391291 A 20130320