

Title (en)  
HYDRAULIC SYSTEM FOR AN INDUSTRIAL TRUCK

Title (de)  
HYDRAULIKSYSTEM FÜR EIN FLURFÖRDERZEUG

Title (fr)  
SYSTÈME HYDRAULIQUE POUR UN CHARIOT DE MANUTENTION

Publication  
**EP 4183736 A1 20230524 (DE)**

Application  
**EP 22203509 A 20221025**

Priority  
DE 102021130272 A 20211119

Abstract (en)  
[origin: CN116146577A] The invention relates to a hydraulic system (1) for a ground transport vehicle, in particular a ground transport vehicle electrically driven by a battery, having a lifting drive (2) for lifting and lowering a lifting device, the hydraulic system (1) having a first hydraulic pump (5), which is designed to supply a pressure medium to the lifting drive (2), and a second hydraulic pump (6), which is designed to supply a pressure medium to the lifting drive (2). The hydraulic system has a second hydraulic pump (6), which can be switched by means of a valve device (7) for supplying the lifting drive (2). The first hydraulic pump (5) and the second hydraulic pump (6) are designed as a hydraulic dual-pump assembly (10), and the valve arrangement (7) is integrated into the hydraulic dual-pump assembly (10).

Abstract (de)  
Ein Hydrauliksystem (1) für ein Flurförderzeug, insbesondere batterie-elektrisch betriebenes Flurförderzeug, mit einem Hubantrieb (2) zum Anheben und Absenken eines Lastaufnahmemittels, wobei das Hydrauliksystem (1) eine erste Hydraulikpumpe (5) aufweist, die ausgebildet ist, den Hubantrieb (2) mit Druckmittel zu versorgen, und eine zweite Hydraulikpumpe (6) aufweist, die mittels einer Ventileinrichtung (7) zur Versorgung des Hubantriebs (2) zuschaltbar ist. Die erste Hydraulikpumpe (5) und die zweite Hydraulikpumpe (6) sind als Hydraulikdoppelpumpenaggregat (10) ausgebildet und die Ventileinrichtung (7) ist in das Hydraulikdoppelpumpenaggregat (10) integriert.

IPC 8 full level  
**B66F 9/22** (2006.01)

CPC (source: CN EP US)  
**B66F 9/22** (2013.01 - CN EP US); **F15B 11/02** (2013.01 - CN); **F15B 11/17** (2013.01 - US); **F15B 13/027** (2013.01 - US); **F15B 15/18** (2013.01 - US); **F15B 21/08** (2013.01 - CN)

Citation (applicant)  
DE 19831828 A1 20000120 - LINDE AG [DE]

Citation (search report)

- [XY] JP 2001240390 A 20010904 - KOMATSU FORKLIFT
- [Y] DE 19831828 A1 20000120 - LINDE AG [DE]
- [Y] US 2008152513 A1 20080626 - ESDERS HANS [DE]
- [Y] DE 102011053958 A1 20130328 - STILL GMBH [DE]
- [Y] CN 103950870 A 20140730 - ANHUI HELI CO LTD

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

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4183736 A1 20230524**; CN 116146577 A 20230523; DE 102021130272 A1 20230525; US 11953030 B2 20240409; US 2023160400 A1 20230525

DOCDB simple family (application)  
**EP 22203509 A 20221025**; CN 202211450591 A 20221118; DE 102021130272 A 20211119; US 202218056920 A 20221118