

Title (en)
Hydraulic system for fork lift truck

Title (de)
Hydrauliksystem für Flurförderfahrzeuge

Title (fr)
Système hydraulique pour véhicules de manutention

Publication
EP 1593858 A3 20060906 (DE)

Application
EP 05008201 A 20050414

Priority
DE 202004007062 U 20040504

Abstract (en)
[origin: EP1593858A2] A hydraulic system (10) has a filter plant for the cleaning of the hydraulic oil (12) flow by filtration of particles, and a removing device for a defined part of a flow of the hydraulic oil. The removing device has filter element(s) for filtration of the partial flow of hydraulic oil. Independent claims are also included for the following: (A) a system comprising a reach stacker, and the above hydraulic system coupled to the reach stacker; and (B) filtering hydraulic oil in a hydraulic system of a reach stacker, comprising pressurizing hydraulic oil from the hydraulic system and providing the pressurized oil to an oil line; removing a defined flow portion of the pressurized hydraulic oil from the oil line; filtering the defined flow portion separately from remaining oil in the oil line via a filter; and supplying the filtered defined flow portion back to the hydraulic system at a lower pressure level.

IPC 8 full level
F15B 21/041 (2019.01)

CPC (source: EP US)
F15B 21/041 (2013.01 - EP US)

Citation (search report)

- [X] DE 4011913 A1 19911017 - BEYER RUDI DIPL ING [DE]
- [X] DE 4203062 C1 19930701
- [X] DE 19515962 A1 19961002 - ARGO GMBH FUER FLUIDTECHNIK [DE]
- [A] US 4027595 A 19770607 - FRANK EARL E, et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1593858 A2 20051109; EP 1593858 A3 20060906; EP 1593858 B1 20100721; AT E475018 T1 20100815; DE 202004007062 U1 20050915; DE 502005009930 D1 20100902; ES 2348665 T3 20101210; US 2005247641 A1 20051110

DOCDB simple family (application)
EP 05008201 A 20050414; AT 05008201 T 20050414; DE 202004007062 U 20040504; DE 502005009930 T 20050414; ES 05008201 T 20050414; US 12274705 A 20050503