

Title (en)
PUSHING FRAME FOR A FRONT-LOADING IMPLEMENT AT A MOTOR VEHICLE

Publication
EP 0247583 B1 19901017 (DE)

Application
EP 87107675 A 19870526

Priority
DE 3617708 A 19860527

Abstract (en)
[origin: US4790085A] The thrust coupling has a thrust frame formed of three tubular sections which is mounted on the underside of a vehicle. The front of the thrust frame is suspended by chains from the front of the vehicle and can be raised and lowered by hydraulic cylinders connected to cross arms attached to the chains. The rear of the thrust frame is connected by a parallelogram arrangement of links in which a shock absorber is connected to dampen motion of the parallelogram arrangement of links.

IPC 1-7
B60D 3/00; **B62D 49/06**; **E01H 1/02**; **E01H 5/06**; **E02F 3/627**; **E02F 3/76**; **E02F 3/815**

IPC 8 full level
B60D 3/00 (2006.01); **B62D 49/06** (2006.01); **E01H 1/02** (2006.01); **E01H 5/06** (2006.01); **E02F 3/627** (2006.01); **E02F 3/76** (2006.01); **E02F 3/80** (2006.01); **E02F 3/815** (2006.01)

CPC (source: EP US)
E02F 3/627 (2013.01 - EP US); **E02F 3/7613** (2013.01 - EP US); **E02F 3/80** (2013.01 - EP US)

Cited by
US6931770B2

Designated contracting state (EPC)
AT CH DE FR GB LI SE

DOCDB simple family (publication)
EP 0247583 A1 19871202; **EP 0247583 B1 19901017**; AT E57551 T1 19901115; DE 3617708 A1 19871203; DE 3765579 D1 19901122; US 4790085 A 19881213

DOCDB simple family (application)
EP 87107675 A 19870526; AT 87107675 T 19870526; DE 3617708 A 19860527; DE 3765579 T 19870526; US 4832687 A 19870511