

Title (en)
WHEEL LOADER

Title (de)
RADLADER

Title (fr)
EXCAVATRICE SUR ROUES

Publication
EP 1389250 A1 20040218 (DE)

Application
EP 02753058 A 20020522

Priority
• DE 20108606 U 20010522
• DE 20111768 U 20010717
• EP 0205619 W 20020522

Abstract (en)
[origin: US2004194355A1] The lifting frame with Z-kinematics of a wheel loader comprises an accessory arm with a lifting cylinder coupled to the vehicle frame or to the truck front-end and a rocker-type reversing lever coupled to the accessory arm, to the ends of which reversing lever the tipping cylinder and the connecting link are coupled for the swivelling of the attachment. Attachments, e.g. a bucket or a log loader, are mountable on the lifting frame. In order to be able, in a raised position of the lifting frame, to swivel the attachment with the necessary large moment from a position tipped downwards into a position tipped upwards, without any reinforcement of the tipping cylinder, there is coupled with the lifting frame, in the direction of the attachment in front of the articulated joint connecting the tipping cylinder to the vehicle frame, at least one hydraulic cylinder, whereof the piston rod engages in an articulated manner with the swivel axle connecting the reversing lever with the tipping cylinder.

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E02F 3/34; **E02F 3/42**

IPC 8 full level
E02F 3/34 (2006.01); **E02F 3/42** (2006.01)

CPC (source: EP US)
E02F 3/308 (2013.01 - EP US); **E02F 3/3411** (2013.01 - EP US); **E02F 3/422** (2013.01 - EP US)

Citation (search report)
See references of WO 02095142A1

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US 2004194355 A1 20041007; **US 7162817 B2 20070116**; CA 2446908 A1 20021128; CN 1246539 C 20060322; CN 1511211 A 20040707; EP 1389250 A1 20040218; RU 2003136740 A 20050527; RU 2268963 C2 20060127; WO 02095142 A1 20021128; WO 02095142 A8 20050317

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