

Title (en)
Loader-linkage and work vehicle

Title (de)
Ladergestänge und Arbeitsfahrzeug

Title (fr)
Mécanisme de liaison pour un bras chargeur et engin de chantier

Publication
EP 1510624 A3 20070321 (DE)

Application
EP 04103994 A 20040820

Priority
US 64810703 A 20030826

Abstract (en)
[origin: EP1510624A2] A loading arm (50) has one end rotatably connected via journals (61, 63) to the loader frame (20). A tool attachment (70, 71) is pivotally connected to the other end of the arm and extends at an angle relative to the latter. A tilt linkage (80) for the tool is used to alter the angle of the tool relative to the arm and comprises a deflection lever (83) rotatably mounted on the loader frame independently from the arm via a journal (90), a linear actuator (81) extending between the frame and driven end of the actuator and a connecting part (85) rotatably secured to the driving end of the lever and extending in the direction of the tool. The tool is a scoop.

IPC 8 full level
E02F 3/34 (2006.01); **E02F 3/43** (2006.01)

CPC (source: EP US)
E02F 3/34 (2013.01 - EP US); **E02F 3/3411** (2013.01 - EP US)

Citation (search report)

- [XA] US 2653722 A 19530929 - LULL LE GRAND H
- [A] GB 2102382 A 19830202 - FIAT ALLIS EUROP [IT]
- [A] WO 9900554 A1 19990107 - CATERPILLAR INC [US]
- [A] US 4189278 A 19800219 - DEWEY RONALD A [US]
- [A] US 3642159 A 19720215 - ASKINS WILLIAM J

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

Designated extension state (EPC)
AL HR LT LV MK

DOCDB simple family (publication)
EP 1510624 A2 20050302; EP 1510624 A3 20070321; EP 1510624 B1 20080820; AT E405708 T1 20080915; DE 502004007875 D1 20081002; JP 2005068993 A 20050317; JP 4117273 B2 20080716; US 2005045351 A1 20050303; US 6957705 B2 20051025

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