

Title (en)
Shovel arm for earth-moving vehicles

Title (de)
Baggerarm für Erdbewegungsfahrzeuge

Title (fr)
Bras d'excavatrice pour véhicules de terrassement

Publication
EP 0957208 A3 20000510 (EN)

Application
EP 98830620 A 19981016

Priority
IT VR980041 A 19980512

Abstract (en)
[origin: EP0957208A2] The present invention relates to a shovel arm for earth-moving vehicles comprising: a support arm (8) connected to the body of an earth-moving vehicle (3) by means of a first hinge (11) and to a working part (5) by means of a second hinge (13); a raising actuator (6) mounted on the body of the vehicle (3) by means of a third hinge (14) and connected to the support arm (8) by means of a fourth hinge (16); an operating actuator (7) also connected to the body of the vehicle (3) by means of a fifth hinge (17) and to a first end (18) of a lever (19) by means of a sixth hinge (20). The lever (19) is in turn connected, at its second end (21), to the support arm (8) and to the raising actuator (6) by means of the fourth hinge (16). A connecting rod (22) is also provided, being connected to the working part (5) by means of a seventh hinge (24) and connected to the operating actuator (7) and to the first end (18) of the lever (19) by means of the sixth hinge (20). <IMAGE>

IPC 1-7
E02F 3/34

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

CPC (source: EP)
E02F 3/3408 (2013.01); **E02F 3/433** (2013.01)

Citation (search report)

- [YA] US 2892558 A 19590630 - SEAMAN HARRY J
- [YA] US 5688101 A 19971118 - KIM KEE YOUNG [KR]
- [A] US 3447708 A 19690603 - STEINKAMP JOHN O
- [A] US 2878598 A 19590324 - PILCH JOHN S
- [A] FR 2168070 A1 19730824 - INT HARVESTER CO [US]
- [A] WO 9211418 A1 19920709 - CATERPILLAR INC [US]
- [A] "THE NEW SKYHI "ARDUA" HYDRAULIC HEAVY DUTY LOADER; The loader with the BIG Performance", MINE & QUARRY ENGINEERING, September 1956 (1956-09-01), pages 45, XP002132799

Cited by
EP2868619A1; CN104590907A; CN103498490A; CN109723096A; CN111483329A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0957208 A2 19991117; **EP 0957208 A3 20000510**; CA 2254204 A1 19991112; IT 1299668 B1 20000324; IT VR980041 A1 19991112

DOCDB simple family (application)
EP 98830620 A 19981016; CA 2254204 A 19981120; IT VR980041 A 19980512