

Title (en)
Hydraulic excavator.

Title (de)
Hydraulikbagger.

Title (fr)
Pelle hydraulique.

Publication
EP 0373148 B1 19940824 (DE)

Application
EP 89890312 A 19891205

Priority
AT 298088 A 19881205

Abstract (en)
[origin: EP0373148A1] In a hydraulic excavator (1) having a boom (16) which can be swivelled in a vertical plane and has a running gear which is arranged on the base frame and can be moved towards the ground by moving the excavator shovel (8), at least one thrust cylinder-piston assembly (15) on the frame, said assembly being provided for the purpose of displacing the excavator shovel (8) in the horizontal direction, engages between two stays (9, 10) forming a parallelogram link on a plate (11) connecting the stays (9, 10) of the parallelogram link (4) or, in the region of the plate (11), on one of the two stays (9, 10). Also connected swivellably to the plate (11) are the boom arm (16) and at least one lifting cylinder-piston assembly (17) for swivelling the boom arm (16) in the vertical direction and at least one tilting cylinder-piston assembly (20) for tilting the shovel (8), the tilting cylinder-piston assembly (20) being connected to a link arm (21) pivotably supported on the boom arm (16) and a connecting rod (25) connected to the link arm (21) in articulated fashion being connected to the shovel (8) in articulated fashion outside the tilting axis (30) on the boom arm (16). <IMAGE>

IPC 1-7
E02F 3/38; **E02F 3/32**; **E02F 3/30**; **E02F 3/42**; **E02F 9/14**; **E02F 9/12**

IPC 8 full level
E02F 3/30 (2006.01); **E02F 3/34** (2006.01); **E02F 3/42** (2006.01); **E02F 9/12** (2006.01)

CPC (source: EP)
E02F 3/302 (2013.01); **E02F 3/308** (2013.01); **E02F 3/3405** (2013.01); **E02F 3/422** (2013.01); **E02F 9/12** (2013.01)

Cited by
DE4219720A1; CN103726532A; EP3677726A1; CN111997114A; CN103726520A; CN103741740A; CN104594403A; DE102009013626A1; CN104631524A; CN108274066A

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DOCDB simple family (application)
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