

Title (en)  
LINK DEVICE FOR HYDRAULIC SHOVEL

Title (de)  
GELENK FÜR HYDRAULIKBAGGER

Title (fr)  
ARTICULATION POUR PELLE HYDRAULIQUE

Publication  
**EP 0818581 A1 19980114 (EN)**

Application  
**EP 96907691 A 19960328**

Priority  
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• JP 10074895 A 19950330

Abstract (en)  
The present invention relates to a link device for a hydraulic excavator which facilitates horizontal digging by the hydraulic excavator. To this end, the device comprises a power lever (19) having a first fulcrum rockably connected to a boom (2) by means of a boom pin (4), a second fulcrum rockably connected to a boom cylinder (5) by means of a boom head pin (18), and a third fulcrum to which an arm pin (20) is mounted; and a power rod (22) one end of which is connected to an arm power pin (21) attached to an arm (7), and the other end of which is connected to an arm pin (20). When the arm (7) is rocked by extending and contracting an arm cylinder (10), the boom (2) is swung vertically in operatively associated therewith, and the tip of a bucket (12) moves on a straight line. <IMAGE>

IPC 1-7  
**E02F 3/32**

IPC 8 full level  
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