

Title (en)
Compact excavator.

Title (de)
Kompaktbagger.

Title (fr)
Excavateur compact.

Publication
EP 0176829 A1 19860409 (DE)

Application
EP 85111522 A 19850912

Priority
DE 3435981 A 19841001

Abstract (en)
[origin: ES296011U] A compact excavator has a superstructure, a swinging or swivelling mechanism connecting said superstructure with a chassis for swinging said superstructure relative to said chassis about a vertical axis, and a boom on said superstructure. The boom is linked to the superstructure directly by a parallel guide having a parallelogram link (14 or 14') and an intermediate member (12). The parallel guide is able to swing about a vertical axis (13', 13'') secured to the superstructure (3). The intermediate member (12) has a fixed length and the parallelogram link (14, 14') may have a fixed length link or a hydraulic actuator piston cylinder having a variable length. Such a construction simplifies additional movements required of the driver for operating the excavator.

Abstract (de)
Kompaktbagger mit einem auf einem Fahrgestell (1) mittels eines Drehkranzes (2) drehbar gelagerten Oberwagen (3), an dem ein mehrteiliger Ausleger (6) um eine lotrechte Achse drehbar gelagert ist und wobei der Ausleger ein Zwischenstück (12) umfaßt, welches um eine lotrechte Achse schwenkbar ist. Um die hierbei erforderlichen zusätzlichen Bedienungsgriffe zu vereinfachen, sieht die Erfindung vor, daß das Zwischenstück (12) als Parallelführungsstück ausgebildet ist.

IPC 1-7
E02F 3/38

IPC 8 full level
E02F 3/38 (2006.01)

CPC (source: EP US)
E02F 3/384 (2013.01 - EP US); **Y10S 414/13** (2013.01 - EP US)

Citation (search report)
• [Y] FR 1603020 A 19710315
• [YD] DE 1484752 A1 19701217 - POCLAIN LE PLESSIS BELLEVILLE
• [A] GB 2126982 A 19840404 - ORENSTEIN & KOPPEL AG
• [A] DE 1634994 A1 19710916 - SCHAEFF KG MASCHFAB KARL
• [A] DE 3234020 A1 19840315 - ORENSTEIN & KOPPEL AG [DE]
• [A] US 3848756 A 19741119 - SCHAEFF H

Cited by
EP0539864A1; EP0892115A1

Designated contracting state (EPC)
AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0176829 A1 19860409; EP 0176829 B1 19890125; AT E40432 T1 19890215; DE 3435981 A1 19860417; DE 3435981 C2 19921203; ES 296011 U 19870716; ES 296011 Y 19880116; ES 296417 U 19870816; ES 296417 Y 19880316; ES 296418 U 19870916; ES 296418 Y 19880416; ES 296655 U 19871201; ES 296655 Y 19880516; ES 296655 Y4 19880527; US 4693662 A 19870915

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