

Title (en)

Revolving blade and mounting for small excavators

Title (de)

Drehbares Planierschild und Aufhängung für Minibagger

Title (fr)

Lame nivelleuse orientable et montage pour mini-excavateurs

Publication

EP 1452650 A1 20040901 (EN)

Application

EP 03425125 A 20030227

Priority

EP 03425125 A 20030227

Abstract (en)

The invention concerns a revolving blade for compact excavators (or miniexcavators), of the type comprising a support frame (1) and a blade unit (4). According to the present invention, the support frame (1) consists of two side members (2) and at least one cross member (3), while the blade unit (4) with the actual blade (5) comprises a U-shaped support (6) on each of the arms (7) of which a plurality of holes (8) are formed, distributed along a circle arc, two similar holes (9) being formed at the outer ends of the side members (2) of said support frame (1). The blade unit (4) is apt to be connected to the support frame (1) in a plurality of differently oriented positions by inserting a couple of pins (10) in said two holes (9) of the side members (2) of the support frame (1) and in holes (8) of said U-shaped support (6) brought in alignment with the first ones. <IMAGE>

IPC 1-7

E02F 3/76; **E02F 3/815**

IPC 8 full level

E02F 3/76 (2006.01); **E02F 3/815** (2006.01)

CPC (source: EP)

E02F 3/7613 (2013.01); **E02F 3/8152** (2013.01)

Citation (search report)

- [XY] US 4081092 A 19780328 - ZIMMERMAN EMIL F
- [Y] US 4479312 A 19841030 - TURGEON HARRY S [US]
- [A] WO 9950509 A1 19991007 - CATERPILLAR MITSUBISHI LTD [JP], et al
- [A] US 2629946 A 19530303 - EWERS MITCHELL H, et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06 28 June 1996 (1996-06-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10 30 November 1995 (1995-11-30)

Cited by

JP2020033749A; US8024875B2; WO2007064700A1; DE202014102267U1; DE102015102838A1

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 PT SE SI SK TR

DOCDB simple family (publication)

EP 1452650 A1 20040901; **EP 1452650 B1 20060830**; AT E338171 T1 20060915; DE 60307977 D1 20061012

DOCDB simple family (application)

EP 03425125 A 20030227; AT 03425125 T 20030227; DE 60307977 T 20030227