

Title (en)

SOIL COMPACTING DEVICE COMPRISING AN UNDERCARRIAGE

Title (de)

BODENVERDICHTUNGSVORRICHTUNG MIT FAHRWERK

Title (fr)

DISPOSITIF DE COMPACTAGE DE SOL MUNI D'UN MECANISME DE DEPLACEMENT

Publication

**EP 1513985 A1 20050316 (DE)**

Application

**EP 03759918 A 20030606**

Priority

- DE 10226920 A 20020617
- EP 0305987 W 20030606

Abstract (en)

[origin: WO03106771A1] The invention relates to a soil compacting device, especially a vibrating plate, which comprises an undercarriage (7) mounted on a lower body (2), said undercarriage having an undercarriage axle (8) that is stationary with respect to the device. By suitably positioning the undercarriage axle (8) it is achieved that, in a vibrating position, the rolling bodies (9) do not touch ground while they do touch ground when the entire device is simply tilted about an axis that corresponds approximately to the undercarriage axle (8), thereby allowing for the mobility of the device. The soil compacting device is advantageous over conventional devices in that an extension or swiveling of the undercarriage axle for the purpose of transport and the corresponding devices are no longer required.

IPC 1-7

**E02D 3/046**; **E01C 19/41**; **E01C 19/38**

IPC 8 full level

**E02D 3/046** (2006.01)

CPC (source: EP US)

**E02D 3/046** (2013.01 - EP US)

Citation (search report)

See references of WO 03106771A1

Cited by

DE102008045557A1; CN113494038A; DE102008045557B4; US7988383B2

Designated contracting state (EPC)

CH DE GB LI SE

DOCDB simple family (publication)

**WO 03106771 A1 20031224**; CN 100344833 C 20071024; CN 1662711 A 20050831; DE 10226920 A1 20040108; DE 10226920 B4 20070823; DE 50306857 D1 20070503; EP 1513985 A1 20050316; EP 1513985 B1 20070321; HK 1081610 A1 20060519; JP 2005535802 A 20051124; JP 4262677 B2 20090513; US 2006083590 A1 20060420; US 7303356 B2 20071204

DOCDB simple family (application)

**EP 0305987 W 20030606**; CN 03813903 A 20030606; DE 10226920 A 20020617; DE 50306857 T 20030606; EP 03759918 A 20030606; HK 06101717 A 20060209; JP 2004513570 A 20030606; US 51817105 A 20050823