

Title (en)

Overload warning device for excavators

Title (de)

Überlastwarneinrichtung für Bagger

Title (fr)

Dispositif d'avertissement de surcharge pour une excavatrice

Publication

**EP 1757739 A3 20131030 (DE)**

Application

**EP 06014077 A 20060706**

Priority

DE 202005013310 U 20050823

Abstract (en)

[origin: EP1757739A2] The overload warning device measures the supporting forces (F1-F4) at the supporting points, places them in increasing order and determines the stability of the support from the ratio of the sum of the forces summed in one direction to the sum of the forces summed in the opposite direction.

IPC 8 full level

**E02F 9/24** (2006.01); **B66C 23/86** (2006.01); **B66C 23/90** (2006.01); **E02F 9/08** (2006.01)

CPC (source: EP US)

**B66C 3/04** (2013.01 - EP US); **B66C 23/905** (2013.01 - EP US); **E02F 9/085** (2013.01 - EP US); **E02F 9/24** (2013.01 - EP US)

Citation (search report)

- [I] DE 10349234 A1 20050519 - PUTZMEISTER AG [DE]
- [A] DE 19730436 A1 19980625 - SCHWING GMBH F [DE]
- [A] DE 10110176 A1 20020905 - PUTZMEISTER AG [DE]
- [A] DE 3605462 A1 19870827 - MO N PROIZV OB STR DOROZH MASH [SU]
- [A] DE 1531166 A1 19691218 - CALOR EMAG ELEKTRIZITAETS AG

Cited by

AT511234A1; AT511234B1; WO2012135882A1; US8874329B2; EP3470362A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1757739 A2 20070228**; **EP 1757739 A3 20131030**; DE 202005013310 U1 20070104; US 2007083312 A1 20070412; US 7378950 B2 20080527

DOCDB simple family (application)

**EP 06014077 A 20060706**; DE 202005013310 U 20050823; US 50793606 A 20060821