

Title (en)  
Lifting device

Title (de)  
Hubgerät

Title (fr)  
Engin de levage

Publication  
**EP 1953112 B1 20100609 (FR)**

Application  
**EP 07356173 A 20071203**

Priority  
FR 0610571 A 20061204

Abstract (en)  
[origin: FR2909366A1] The machine (1) has a crane (19) associated with a frame (2) by an intermediate part (16) of a jack unit (26) permitting to rotate the crane with respect to the frame in a vertical plane. The jack unit has an end fixed to the crane, and the part (16) is mounted on an upper part of a mast (12). The crane is mounted with respect to the part (16) around a horizontal rotating axis (24) and a transversal rotating axis. The jack unit has another end fixed to the part (16) remote from a base part (3) of the frame along a vertical direction.

IPC 8 full level  
**B66C 23/48** (2006.01)

CPC (source: EP)  
**B66C 23/48** (2013.01)

Cited by  
CN106458540A; EP4028305A4; WO2021050894A1; WO2019243959A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2909366 A1 20080606; FR 2909366 B1 20090724**; AT E470645 T1 20100615; DE 602007007045 D1 20100722; EP 1953112 A1 20080806; EP 1953112 B1 20100609

DOCDB simple family (application)  
**FR 0610571 A 20061204**; AT 07356173 T 20071203; DE 602007007045 T 20071203; EP 07356173 A 20071203