Title (en)
LEVERAGED TILTING OR LIFTING SCISSORS SYSTEM, METHOD OF OPERATION AND USES THEREOF

Title (de)
GEHEBELTES KIPP- ODER HUBSCHERENSYSTEM, VERFAHREN ZUM BETRIEB UND VERWENDUNGEN DAVON

Title (fr)
SYSTÈME DE CISEAUX DE LEVAGE OU DE BASCULEMENT OPTIMISÉ, PROCÉDÉ DE FONCTIONNEMENT ET LEURS UTILISATIONS

Publication
EP 3385212 A1 20181010 (EN)

Application
EP 18166392 A 20180409

Priority
- PT 11001817 A 20170407
- PT 11023417 A 20170803

Abstract (en)
Scissors device for tilting or lifting a movable platform (5,6), comprising at least one hydraulic/pneumatic/electric cylinder (4) for actuating the scissors device and hinged at its first end to a base (7), a scissors having two arms (2, 3) hinged together, one arm coupled to an upper platform and an arm coupled to a base, wherein the lower arm is hinged to the base and the upper arm is hinged to the cargo platform; a lever arm (1) hinged to at least one of the scissors arms and to a second end of the hydraulic cylinder, wherein said lever arm comprises a protruding end (8) for supporting one of the arms in a portion of the start-up/return movement of said scissors comprising its closed (open) position, by linearly sliding on a surface solidary to the base.

IPC 8 full level
B66F 7/06 (2006.01); **B66F 7/08** (2006.01)

CPC (source: EP)
B66F 7/0691 (2013.01); **B66F 7/08** (2013.01)

Citation (search report)
- [XYI] US 2007235266 A1 20071011 - DANTAS ROY [CA], et al
- [YA] WO 0127499 A1 20010419 - SNAP ON TECH INC [US], et al
- [YA] WO 9004565 A1 19900503 - SEHLSTEDT PER OLOF [SE]
- [A] DE 29920934 U1 20000224 - MAHA GMBH & CO KG [DE]
- [A] DE 9205900 U1 19921001

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CN113816296A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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EP 18166392 A 20180409; PT 18166392 T 20180409