

Title (en)
RELEASE MECHANISM

Title (de)
FREIGABEMECHANISMUS

Title (fr)
MECANISME DE LIBERATION

Publication
EP 1984570 A4 20120530 (EN)

Application
EP 07704844 A 20070209

Priority
• FI 2007050074 W 20070209
• FI 20065102 A 20060210

Abstract (en)
[origin: WO2007090935A1] A release mechanism comprising: levers (5, 7) connected in series by joints (9, 10), through which levers a force is transferred to a returning spring member (3), when said levers are moved by the force, and a blade structure (6) coupled by a joint (12), a force effective on the blade structure being transferred to the levers (5, 7), when an impact force effective on the blade structure (6) moves the blade structure (6) and the levers (5, 7) connected to it. The levers (5, 7) are connected together by a movable joint (10), and the spring member (3) is coupled to either said joint (10) or one of the levers (5, 7), or to an extension (5a) of a lever. The force caused by an impact with an obstacle is transferred by the levers (5, 7) to a returning spring member (3). The spring member (3) is arranged to return the blade structure (6) to the normal position after the impact.

IPC 8 full level
E01H 5/06 (2006.01); **E02F 3/815** (2006.01)

CPC (source: EP FI)
E01H 5/062 (2013.01 - EP); **E01H 5/063** (2013.01 - FI); **E02F 3/815** (2013.01 - EP)

Citation (search report)
• [X] SE 524151 C2 20040706 - FLINKFELDT MARTIN [SE]
• [I] JP 2000345525 A 20001212 - IWASAKI KOGYO KK
• [A] DE 1759683 A1 19710616 - BAAS GMBH
• See references of WO 2007090935A1

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

DOCDB simple family (publication)
WO 2007090935 A1 20070816; EP 1984570 A1 20081029; EP 1984570 A4 20120530; EP 1984570 B1 20160803; FI 119777 B 20090313; FI 20065102 A0 20060210; FI 20065102 A 20070811; LT 1984570 T 20161110; PL 1984570 T3 20170131; RU 2008136393 A 20100320; RU 2420626 C2 20110610

DOCDB simple family (application)
FI 2007050074 W 20070209; EP 07704844 A 20070209; FI 20065102 A 20060210; LT 07704844 T 20070209; PL 07704844 T 20070209; RU 2008136393 A 20070209