

Title (en)
FLEXIBLE IMPACT BLADE AND DRIVE DEVICE FOR A FLEXIBLE IMPACT BLADE

Title (de)
BIEGESCHLAGFLÜGEL UND ANTRIEBSVORRICHTUNG FÜR EINEN BIEGESCHLAGFLÜGEL

Title (fr)
PALE BATTANTE COURBEE ET DISPOSITIF D'ENTRAÎNEMENT POUR UNE PALE BATTANTE COURBEE

Publication
EP 2137061 A1 20091230 (DE)

Application
EP 08735380 A 20080418

Priority
• EP 2008003318 W 20080418
• DE 102007019540 A 20070418

Abstract (en)
[origin: WO2008128780A1] The present invention relates to a drive device (30), particularly for a flexible impact blade (40), which is configured on a side such that the same can be connected to a drive (15), and which has a flexible element (1) that is configured substantially in the shape of a wedge, having at least two flexible sections (3, 4) that are at a distance to each other on the side of the drive (15), the distance from each other of which is reduced in the direction away from the drive (15), and which are coupled in the region of the end of the flexible element (1) facing away from the drive in a power transmitting manner. In order to create an elastic flexible blade and a drive device therefore, wherein a continuous change of shape can be adjusted using a flowing contour transition, the invention provides that the flexible sections (3, 4) on the side of the drive (15) are kept substantially movable relative to each other along the longitudinal axis of the wedge, and that the flexible element (1) is configured on the side of the drive (15) such that it may be transferred to a different curvature pointing in the direction of thickness of the flexible impact blade (40) as a function of the relative position of the flexible sections (3, 4). The invention further relates to a flexible impact blade (40) having such a drive device (30) and a watercraft (50) comprising a drive and/or control element.

IPC 8 full level
B63H 1/30 (2006.01); **B63H 1/36** (2006.01)

CPC (source: EP US)
B63H 1/30 (2013.01 - EP US); **B63H 1/36** (2013.01 - EP US)

Citation (search report)
See references of WO 2008128780A1

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

DOCDB simple family (publication)
WO 2008128780 A1 20081030; AT E501925 T1 20110415; DE 502008002883 D1 20110428; EP 2137061 A1 20091230; EP 2137061 B1 20110316; US 2011281479 A1 20111117; US 8323062 B2 20121204

DOCDB simple family (application)
EP 2008003318 W 20080418; AT 08735380 T 20080418; DE 502008002883 T 20080418; EP 08735380 A 20080418; US 59663808 A 20080418