

Title (en)

Flipper provided with an asymmetrically bending blade

Title (de)

Schwimmflosse, die über ein asymmetrisch biegbares Flossenblatt verfügt

Title (fr)

Palme équipée d'une voilure à flexion dissymétrique

Publication

**EP 2324889 A1 20110525 (FR)**

Application

**EP 10191157 A 20101115**

Priority

FR 0958130 A 20091118

Abstract (en)

The flipper (1) has a bootee (2) extended towards a front by a flexible wing section (3), and a flexible element (4) extending in direction of length under the flexible wing section. A securing portion (5) is equipped between a proximal part (6) of the flexible element and a proximal part (7) of the flexible wing section, and consists of a removable attachment system. A removable attachment piece (10) is cooperated with an attachment head (9) such that the flexible wing section is sandwiched between the proximal part of the flexible element and the attachment piece.

Abstract (fr)

L'invention concerne une palme (1) comprenant un chausson (2) prolongé vers l'avant par une voilure flexible (3), au moins un élément flexible (4) disposé dans le sens de la longueur sous la voilure flexible et des moyens d'assujettissement (5) agencés entre la partie proximale (6) de l'élément flexible et la partie proximale (7) de la voilure flexible.

IPC 8 full level

**A63B 31/11** (2006.01)

CPC (source: EP US)

**A63B 31/11** (2013.01 - EP US)

Citation (applicant)

- FR 1361410 A 19640522
- DE 4338610 A1 19950518 - ROSENOW GOTTFRIED [DE]

Citation (search report)

- [X] US 6159064 A 20001212 - TAKEUCHI MINORU [JP], et al
- [AD] FR 1361410 A 19640522
- [A] US 4007506 A 19770215 - RASMUSSEN PHILIP A
- [AD] DE 4338610 A1 19950518 - ROSENOW GOTTFRIED [DE]

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)

**EP 2324889 A1 20110525; EP 2324889 B1 20160316**; AU 2010241489 A1 20110602; AU 2010241489 B2 20130207; CN 102107072 A 20110629; CN 102107072 B 20131106; ES 2575694 T3 20160630; FR 2952545 A1 20110520; FR 2952545 B1 20120803; PL 2324889 T3 20160930; PT 2324889 E 20160615; US 2011117801 A1 20110519; US 8936499 B2 20150120

DOCDB simple family (application)

**EP 10191157 A 20101115**; AU 2010241489 A 20101117; CN 201010624986 A 20101118; ES 10191157 T 20101115; FR 0958130 A 20091118; PL 10191157 T 20101115; PT 10191157 T 20101115; US 94826010 A 20101117