

Title (en)
Wing for water vehicles

Title (de)
Tragflügel für Wasserfahrzeuge

Title (fr)
Aile de support pour bateaux

Publication
EP 2287071 A2 20110223 (DE)

Application
EP 10172836 A 20100813

Priority
DE 202009010904 U 20090817

Abstract (en)
The airfoil (100) has five projection bodies (30) that are designed as plate-like ribs and provided at an end strip (20). Each projection body extends 75 percentage over the entire length of the end strip parallel to a center line of the airfoil or along the center line in a cross-section of the airfoil. The projection body orthogonally protrudes from a surface of the end strip. The breadth of the projection body corresponds to the half of the width of the end strip. The end strip runs in a straight-line, convex or concave.

Abstract (de)
Um einen Tragflügel (100), insbesondere Ruder, für Wasserfahrzeuge, insbesondere Schiffe, mit einer Endleiste (20), anzugeben, bei dem die negativen Effekte der Wirbelbildung in Strömungsrichtung hinter dem Tragflügel bzw. der Kármánschen-Wirbelstraßen reduziert werden, ist ein Vorsprungskörper (30) zur Reduzierung der Wirbelbildung an der Endleiste (20) angeordnet.

IPC 8 full level
B63H 25/38 (2006.01)

CPC (source: EP KR US)
B63B 1/248 (2013.01 - EP KR US); **B63B 3/38** (2013.01 - EP KR); **B63B 39/06** (2013.01 - EP KR); **B63H 25/38** (2013.01 - EP KR); **B63B 41/00** (2013.01 - EP)

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
DE 202009010904 U1 20101230; CN 101992852 A 20110330; CN 101992852 B 20140604; EP 2287071 A2 20110223; EP 2287071 A3 20110406; EP 2287071 B1 20140423; HK 1155130 A1 20120511; JP 2011042360 A 20110303; JP 5327814 B2 20131030; KR 101421320 B1 20140730; KR 101494107 B1 20150217; KR 20110018276 A 20110223; KR 20140003361 A 20140109; SG 169293 A1 20110330

DOCDB simple family (application)
DE 202009010904 U 20090817; CN 201010258912 A 20100817; EP 10172836 A 20100813; HK 11109299 A 20110902; JP 2010181287 A 20100813; KR 20100079205 A 20100817; KR 20130154605 A 20131212; SG 2010059319 A 20100816