

Title (en)
Wingsail.

Title (de)
Profilsegel.

Title (fr)
Voile en aile d'avion.

Publication
EP 0511419 B1 19950125 (DE)

Application
EP 91106945 A 19910429

Priority
EP 91106945 A 19910429

Abstract (en)
[origin: EP0511419A1] Wingsail for a sailing boat whose mast adjustable in length consists of several telescopic tubes (12, 18, 20) on which booms (44, 48, 52) are guided which can be hoisted and reefed individually and between each of which a sail fabric spanning the vertical distance is provided. Each boom comprises several horizontal boom parts which are connected to one another by perpendicular hinge pivots, together correspond to a symmetrical wing profile and for each boom can be pivoted by means of an adjusting motor drive to form a curvature distribution optimally adapted to the wind conditions. <IMAGE>

IPC 1-7
B63H 9/06

IPC 8 full level
B63H 9/06 (2006.01)

CPC (source: EP US)
B63B 15/0083 (2013.01 - EP); **B63H 9/061** (2020.02 - EP US); **B63B 2015/0041** (2013.01 - EP US)

Cited by
CN102395507A; CN104118551A; DE4323789A1; GB2317868A; CN105539795A; AT515589A1; AT515589B1; EP2723632A4; US9694889B2; WO2012178006A2; WO2021005420A1; US9346527B2

Designated contracting state (EPC)
DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0511419 A1 19921104; EP 0511419 B1 19950125; AU 1472192 A 19921105; AU 661994 B2 19950817; DE 59104424 D1 19950309; ES 2067789 T3 19950401; JP H05139378 A 19930608; US 5263429 A 19931123

DOCDB simple family (application)
EP 91106945 A 19910429; AU 1472192 A 19920408; DE 59104424 T 19910429; ES 91106945 T 19910429; JP 13172892 A 19920424; US 86879992 A 19920416