

Title (en)  
Keel for sailing vessels

Title (de)  
Kiel für Segelschiffe

Title (fr)  
Quille pour des bateaux à voile

Publication  
**EP 0855339 A2 19980729 (DE)**

Application  
**EP 98890017 A 19980120**

Priority  
AT 10397 A 19970124

Abstract (en)  
The keel has at least two parts (1,2) pivotably located on the hull independently of each other around an axis running in longitudinal direction of vessel. The two parts are pivotably located by means of drives and comprises a ballast keel (2) and a vane keel (1). Both keels are pivotably located via tubular bearing bodies (4) in bearings (9) on the outside of the vessel hull. The bearings for the keels together with the drives for their adjustment are provided in at least one housing (5) activated by a fluid which is under permanent hydrostatic pressure. The hydrostatic pressure is higher than that of the seawater in the area of the seals in the seams between movable and static parts of the keel parts. The ballast keel is nearer to the bow and the vane keel is nearer to the stern of the vessel or vice versa.

Abstract (de)  
Eine Segelyacht besitzt zusätzlich zu ihrem Ballastkiel (2) wenigstens einen Flügelkiel (1), der gegebenenfalls auch einen Ballast trägt. Sowohl der Ballastkiel (2) als auch der Flügelkiel (1) sind am Rumpf des Segelschiffes um eine im wesentlichen in Längsrichtung des Segelschiffes ausgerichtete Achse verschwenkbar gelagert. So kann durch Verschwenken des Ballastkiels (2) das aufrichtende Moment verändert, beispielsweise vergrößert werden. Durch Verschwenken des Flügelkiels (1) kann dessen Lateralplananteil verändert und so auch beim Krängen der Segelyacht groß gehalten werden. <IMAGE>

IPC 1-7  
**B63B 41/00**; **B63B 39/06**; **B63B 43/08**

IPC 8 full level  
**B63B 39/06** (2006.01); **B63B 41/00** (2006.01); **B63B 43/08** (2006.01)

CPC (source: EP US)  
**B63B 39/06** (2013.01 - EP US); **B63B 41/00** (2013.01 - EP US); **B63B 43/08** (2013.01 - EP US); **B63B 2039/065** (2013.01 - EP US)

Citation (applicant)  
GB 2232126 A 19901205 - BIRCH FRED PARKER, et al

Cited by  
DE102008006655A1; DE102007003738B3; EP0989056A3; DE10134778B4; FR2807999A1; WO2008087000A1; WO0181165A1

Designated contracting state (EPC)  
AT DE DK FI FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0855339 A2 19980729**; **EP 0855339 A3 19981209**; **EP 0855339 B1 20010829**; AT 405393 B 19990726; AT A10397 A 19981215; AT E204821 T1 20010915; DE 59801273 D1 20011004; US 5967074 A 19991019

DOCDB simple family (application)  
**EP 98890017 A 19980120**; AT 10397 A 19970124; AT 98890017 T 19980120; DE 59801273 T 19980120; US 1222998 A 19980123