

Title (en)
Watercraft with a raisable keel

Title (de)
Wasserfahrzeug mit Hubkiel

Title (fr)
Engin aquatique avec une quille mobile

Publication
EP 0816219 A3 19990623 (DE)

Application
EP 97111208 A 19970703

Priority
DE 19626786 A 19960703

Abstract (en)
[origin: EP0816219A2] The lifting keel (21) of a sailing boat or yacht at least partially surrounds a fixed section of the keel (11) and can be moved in its longitudinal direction, usually vertically. The lifting keel is sub-divided by webs (23) running transverse to the direction of travel into one or several chambers (28). The fixed keel, projecting onwards from the bottom of the craft, consists of hollow sections corresponding to the number and shape of the chambers of the lifting keel. The keel shaft (4) may project upwards as far as the deck of the craft as a maximum.

IPC 1-7
B63B 41/00

IPC 8 full level
B63B 41/00 (2006.01)

CPC (source: EP)
B63B 41/00 (2013.01); **B63B 2035/009** (2013.01); **B63B 2041/006** (2013.01)

Citation (search report)

- [XY] FR 2351003 A1 19771209 - CABROL JEAN PIERRE [FR]
- [X] GB 2171363 A 19860828 - SIMS MERRICK LEVISON
- [YA] EP 0189154 A1 19860730 - MARGGRAF FRITZ
- [YA] FR 2148864 A5 19730323 - AUZEPY BRENNEUR GEORGES
- [A] US 3753415 A 19730821 - BURTIS S
- [A] DE 2835085 B1 19790920 - GUIDO JUERGEN DIPL-ING
- [A] GB 1005758 A 19650929 - FREDERICK JOSEPH THEAKER
- [A] FR 2053507 A5 19710416 - YVERT JACQUES

Cited by
FR2820396A1; EP2626289A3; EP0941919A1; US2011297064A1; US9302741B2; BE1017587A3; WO2023082224A1; WO02062657A1; WO2012107237A3; WO2024207499A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0816219 A2 19980107; EP 0816219 A3 19990623; EP 0816219 B1 20021023; DE 19626786 A1 19980108; DE 19626786 C2 19990211; DE 59708537 D1 20021128; DK 0816219 T3 20030224

DOCDB simple family (application)
EP 97111208 A 19970703; DE 19626786 A 19960703; DE 59708537 T 19970703; DK 97111208 T 19970703