

Title (en)
BOAT WITH RETRACTABLE KEEL

Publication
EP 0189154 B1 19890104 (DE)

Application
EP 86100626 A 19860118

Priority
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• DE 3515090 A 19850426

Abstract (en)
[origin: US4690089A] A boat with a raisable and lowerable keel is proposed, which can be constructed as a swivel, lifting or ballast drop keel. The keels are fixed to tensioning members either directly or via cables. The tensioning members can be spiral springs, which run in the lifting keel box and are guided in the interior of the lifting keel to the lower end thereof. If the lifting keel is lowered, the spiral springs are tensioned, so that only relatively limited forces are required for raising by means of a spindle (FIG 1).

IPC 1-7
B63B 41/00

IPC 8 full level
B63B 41/00 (2006.01)

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

Cited by
EP0941919A1; EP0816219A3; CN110182299A; CN113879482A; FR2820396A1; WO02062657A1; WO2007084061A1

Designated contracting state (EPC)
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