

Title (en)  
Fin propulsion for watercraft

Title (de)  
Flossenantrieb für ein Wasserfahrzeug

Title (fr)  
Propulsion à nageoire pour bateau

Publication  
**EP 0675039 B1 19981014 (DE)**

Application  
**EP 94105084 A 19940330**

Priority  
• EP 94105084 A 19940330  
• DE 4232654 A 19920929  
• US 42220195 A 19950329

Abstract (en)  
[origin: DE4232654A1] The support (2) is moved up and down in the boat (11), and incorporates an adjustment for the stroke of the paddle (25).It can be coupled to a manually-operated rocker beam (5), and the paddle can be secured to it by a detachable locking device. It can pass through a guide in the hull, and the beam can form a bench, on which the user stands, kneels or sits. The stroke can be adjustable by stops, typically consisting of pins adjustable in guides in the support. USE/ADVANTAGE - Manually-operated boat-propulsion paddle mechanism gives long stroke for getting under way and reduces this at higher speed when less effort is necessary.

IPC 1-7  
**B63H 1/36**

IPC 8 full level  
**B63H 1/36** (2006.01); **B63H 16/18** (2006.01)

CPC (source: EP US)  
**B63H 1/36** (2013.01 - EP US); **B63H 16/12** (2013.01 - EP US)

Cited by  
WO2004050474A1

Designated contracting state (EPC)  
ES FR GB IT

DOCDB simple family (publication)  
**DE 4232654 A1 19940331; DE 4232654 C2 19950706**; EP 0675039 A1 19951004; EP 0675039 B1 19981014; US 5549491 A 19960827

DOCDB simple family (application)  
**DE 4232654 A 19920929**; EP 94105084 A 19940330; US 42220195 A 19950329