

Title (en)  
ICE BREAKING SHIP

Publication  
**EP 0281653 B1 19920219 (DE)**

Application  
**EP 87103459 A 19870310**

Priority  
EP 87103459 A 19870310

Abstract (en)  
[origin: EP0281653A1] To improve the ice-breaking properties when sailing ahead and astern, the hull (10) of a ship with the maximum width of the ice-breaking water line formed in the fore-body and with devices for trimming and ballasting in the stern area (12) is designed so as to be widened in its part above the ice-breaking water line (1) to such an extent that, if the after-body (12) sinks due to trimming or ballasting of the ship when sailing astern, a channel is broken in the ice sheet, which channel is wider than the wide fore-body part (11), which passes this channel when sailing astern.  
<IMAGE>

IPC 1-7  
**B63B 35/08**

IPC 8 full level  
**B63B 35/12** (2006.01); **B63B 35/08** (2006.01); **B63B 43/06** (2006.01)

CPC (source: EP US)  
**B63B 35/08** (2013.01 - EP US); **B63B 1/06** (2013.01 - EP US)

Cited by  
US5231944A; US5325803A; DE3910552A1

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

DOCDB simple family (publication)  
**EP 0281653 A1 19880914; EP 0281653 B1 19920219**; CA 1311968 C 19921229; CN 1004130 B 19890510; CN 87107200 A 19880921; DE 3776785 D1 19920326; FI 85967 B 19920313; FI 85967 C 19951104; FI 871559 A0 19870409; FI 871559 A 19880911; JP H0525716 B2 19930413; JP S63222996 A 19880916; NO 172335 B 19930329; NO 172335 C 19930707; NO 874068 D0 19870928; NO 874068 L 19880912; PL 161224 B1 19930630; PL 268169 A1 19880901; SU 1612994 A3 19901207; US 5038695 A 19910813

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