

Title (en)
SAIL ARRANGEMENT ON A SHIP

Publication
EP 0127004 B1 19861112 (DE)

Application
EP 84104901 A 19840502

Priority
DE 3316139 A 19830503

Abstract (en)
[origin: US4546718A] A sailing ship (1) has at least one mast (2,3,4) rigidly attached thereto, to which the yards (5 to 9) are rotatably attached. By an actuating shaft (21), the sail (22, 22a, 22b) can be reefed and, with the aid of a corresponding rope (24), it can be erected or stretched. The sail (22, 22a, 22b) is narrower in the middle than at the edges and has upper and lower boltropes (48, 49) that are guided in grooves (27) to the yards (5-9). Erecting and reefing of the sail (22, 22a, 22b) and bracing can be accomplished by remote control. Because of the high speed that can be attained, energy recovery is possible with a propeller.

IPC 1-7
B63H 9/08

IPC 8 full level
B63B 15/02 (2006.01); **B63H 9/06** (2006.01); **B63H 9/08** (2006.01)

CPC (source: EP KR US)
B63H 9/06 (2013.01 - KR); **B63H 9/08** (2013.01 - EP US); **B63B 2015/0033** (2013.01 - EP US)

Cited by
FR2618407A1; DE102008006944A1

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

DOCDB simple family (publication)
EP 0127004 A1 19841205; EP 0127004 B1 19861112; DD 251112 A5 19871104; DE 3316139 A1 19841108; DE 3461271 D1 19870102; DK 155119 B 19890213; DK 155119 C 19890710; DK 219884 A 19841104; DK 219884 D0 19840503; ES 287846 U 19860701; ES 287846 Y 19870316; FI 78874 B 19890630; FI 78874 C 19891010; FI 841723 A0 19840502; FI 841723 A 19841104; GR 81969 B 19841212; JP S6042196 A 19850306; KR 850000336 A 19850226; NO 158127 B 19880411; NO 158127 C 19880720; NO 841694 L 19841105; PL 247536 A1 19850116; PT 78524 A 19840601; PT 78524 B 19860507; US 4546718 A 19851015

DOCDB simple family (application)
EP 84104901 A 19840502; DD 26262584 A 19840502; DE 3316139 A 19830503; DE 3461271 T 19840502; DK 219884 A 19840503; ES 287846 U 19840430; FI 841723 A 19840502; GR 840174569 A 19840502; JP 8796984 A 19840502; KR 840002378 A 19840502; NO 841694 A 19840427; PL 24753684 A 19840502; PT 7852484 A 19840502; US 60628884 A 19840502