

Title (en)  
Mooring system

Title (de)  
Vertäuungssystem

Title (fr)  
Système d'amarrage

Publication  
**EP 2110307 A3 20110907 (EN)**

Application  
**EP 09163320 A 20040917**

Priority  
• EP 04768543 A 20040917  
• GB 0321768 A 20030917

Abstract (en)  
[origin: EP2110307A2] A rigid harness for a floating aquatic structure (1) is provided. The harness (2) comprises first and second ends, and the first end is pivotably attachable to the structure (1) such that in use the harness (2) may pivot about a single pivot axis (23) through a range of angles relative to, and including, the vertical. The harness (2) further comprises one or more mechanical and/or umbilical connections (28,30,32) adjacent the second end thereof. A mooring system for a floating aquatic structure which incorporates the harness is also provided.

IPC 8 full level  
**B63B 21/50** (2006.01)

CPC (source: EP US)  
**B63B 21/50** (2013.01 - EP US)

Citation (search report)  
• [XY] FR 2574043 A1 19860606 - EMH [FR]  
• [XY] GB 2292360 A 19960221 - SINGLE BUOY MOORINGS [CH]  
• [XY] US 4781023 A 19881101 - GORDON CARROLL K [US]  
• [X] GB 2168939 A 19860702 - EXXON PRODUCTION RESEARCH CO  
• [Y] US 5061131 A 19911029 - PETTY TERRY D [US], et al  
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EP3566941A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005025978 A2 20050324; WO 2005025978 A3 20060302;** AT E434557 T1 20090715; AU 2004272356 A1 20050324; AU 2004272356 B2 20100930; BR PI0414530 A 20061107; CA 2539373 A1 20050324; CN 1882472 A 20061220; DE 602004021709 D1 20090806; EP 1670675 A2 20060621; EP 1670675 B1 20090624; EP 2110307 A2 20091021; EP 2110307 A3 20110907; EP 2110307 B1 20131225; GB 0321768 D0 20031015; IS 8419 A 20060418; JP 2007505784 A 20070315; NO 20061707 L 20060616; NZ 546579 A 20090131; US 2007240624 A1 20071018; ZA 200603040 B 20070926

DOCDB simple family (application)  
**GB 2004003997 W 20040917;** AT 04768543 T 20040917; AU 2004272356 A 20040917; BR PI0414530 A 20040917; CA 2539373 A 20040917; CN 200480033750 A 20040917; DE 602004021709 T 20040917; EP 04768543 A 20040917; EP 09163320 A 20040917; GB 0321768 A 20030917; IS 8419 A 20060418; JP 2006526696 A 20040917; NO 20061707 A 20060418; NZ 54657904 A 20040917; US 57243804 A 20040917; ZA 200603040 A 20060413