

Title (en)

Mooring systems

Title (de)

Verankerungssystem

Title (fr)

Système d'ancrage

Publication

**EP 0820927 A2 19980128 (EN)**

Application

**EP 97305520 A 19970723**

Priority

GB 9615534 A 19960724

Abstract (en)

A mooring system for the mooring of a tanker or production vessel at an offshore oil production site comprises a plurality of anchor lines, for example four (1,2,3,4), each having a sea-bed anchor at its distal end, an anchor line assembly unit (5) through which passes at least one (2,3) of the anchor lines and to which each of the other anchor lines (1,4) is secured at its proximal end, a swivel unit (6) to which the proximal end of each passing anchor line (2,3) is attached, and a sub-surface buoyancy device (7) also attached to the swivel unit, each passing anchor line (2,3) having a stop member (12) for limiting the travel of the assembly unit (5) along the line in a direction towards its distal end. A mooring line (8) is also attached to the swivel unit (6), and a messenger line (9) having surface marker buoys (56) for location and pick-up of the mooring is attached to the mooring line. In a loading or production system at least one riser hose (10) is attached to the swivel unit (6) for communication through the swivel unit to a respective continuation hose (11) for connection to the moored vessel. <IMAGE>

IPC 1-7

**B63B 21/50**; **B63B 22/02**

IPC 8 full level

**B63B 22/02** (2006.01)

CPC (source: EP)

**B63B 22/026** (2013.01)

Cited by

GB2379207A; GB2358448A; GB2358448B; US7793723B2; WO0023742A1; WO0208115A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0820927 A2 19980128**; **EP 0820927 A3 19981021**; AU 3015297 A 19980205; CA 2211251 A1 19980124; GB 9615534 D0 19960904; NO 973425 D0 19970724; NO 973425 L 19980126

DOCDB simple family (application)

**EP 97305520 A 19970723**; AU 3015297 A 19970724; CA 2211251 A 19970723; GB 9615534 A 19960724; NO 973425 A 19970724