

Title (en)

Self-standing marine riser for ships or floating platforms.

Title (de)

Selbststehendes Steigrohr für Schiffe oder schwimmende Plattformen.

Title (fr)

Colonne montante autodressante pour navire ou plate-forme flottante.

Publication

**EP 0062125 A1 19821013 (EN)**

Application

**EP 81301545 A 19810408**

Priority

EP 81301545 A 19810408

Abstract (en)

A self standing marine riser is provided which comprises a base (4), a riser column (1), a flexible joint (7) between the base (4) and the riser column (1), and means for providing a loose coupling between the top of the riser column and a vessel, rig or platform (2) on the surface above the location of the riser. The riser column comprises an upper column section (11) which includes at least one buoyancy chamber, and a lower, relatively slender column section (6). The riser (1) includes, or is adapted to support, at least one conduit for the conveyance of a fluid (e.g. oil or gas) or a control line. The buoyancy provided by the upper section (11) of the riser column is preferably variable, and this facilitates the connection and use of the riser. The riser may be used for drilling operations or for production operations. By employing a riser in accordance with the invention, it is not necessary to use large riser tensions in order to maintain the position and structural integrity of the riser in deep water and rough weather.

IPC 1-7

**B63B 35/44**; **B63B 27/24**

IPC 8 full level

**B63B 22/02** (2006.01)

CPC (source: EP)

**B63B 1/107** (2013.01); **B63B 22/021** (2013.01)

Citation (search report)

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