

Title (en)

Device for transferring fluids between the sea bottom and the surface

Title (de)

Vorrichtung zur Flüssigkeitsübertragung zwischen Meeresboden und Wasseroberfläche

Title (fr)

Dispositif de transfert de fluide entre un équipement de fond sous-marin et une unité de surface.

Publication

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Application

EP 98401720 A 19980707

Priority

FR 9709892 A 19970801

Abstract (en)

[origin: EP0894938A1] Device for transferring fluid between equipment on the sea bed (8) and a surface unit has at least one flexible pipe (4) which extends in a small chain with an intermediate support and flotation device (5) connected to it and dividing it into two parts. The intermediate device gives a zone (7) of the upper part (6) a concavity turned towards the sea bed. A clamp collar (15) and vertebrae (20) which hold at least a zone in the lower part (9) are connected by a linkage (13) to a dead weight (12) to put the lower part in tension. The dead weight is placed on or in the sea bed, and the clamp collar, vertebrae and dead weight give the zone of the lower part a curvature of predetermined radius with the concavity directed towards the equipment on the sea bed. The intermediate device is connected to the dead weight by a linkage (13) with a length (L) at least equal to the minimum curvature radius (MBR) of the flexible pipe.

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IPC 8 full level

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CPC (source: EP US)

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