

Title (en)

BED-TO-SURFACE CONNECTOR INSTALLATION OF A RIGIDE TUBE WITH A FLEXIBLE DUCT HAVING POSITIVE FLOTATION

Title (de)

BODEN-OBERFLÄCHE-VERBINDUNG AUS EINEM STARREN STEIGROHR MIT FLEXIBLEM KANAL MIT POSITIVER FLOTATION

Title (fr)

INSTALLATION DE LIAISON FOND-SURFACE D'UNE CONDUITE RIGIDE AVEC UNE CONDUITE FLEXIBLE A FLOTTABILITE POSITIVE

Publication

**EP 2286056 B1 20120725 (FR)**

Application

**EP 09745928 A 20090414**

Priority

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- FR 0852771 A 20080424

Abstract (en)

[origin: WO2009138609A2] The invention relates to a bed-to-surface connector installation with at least two submarine pipes (10a, 10b) lying on the bed of the sea, comprising : 1) a first hybrid tower with: a) a vertical riser (1a) anchored (3a) to a first base and connected to one of the submarine pipes (10a) lying on the sea bed the upper end of which is connected to a first float (2a) at the sub-surface and b) a first connector pipe (4a), preferably a flexible pipe, providing the connection between a floating support (11) and the upper end of said riser and 2) at least one second rigid pipe (1b) rising from the seabed where said pipe rests (10b) or from a second submarine pipe resting on the seabed to which the lower end which isn't anchored at the depth of the first base is connected, extending to the sub-surface where the upper end thereof is connected to a second float (2b) arranged essentially at the same depth as said first float (2a) and fixed to said first float by a second flexible connector pipe (2b), providing connection to said support float (11).

IPC 8 full level

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CPC (source: BR EP US)

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