

Title (en)

Apparatus for securing a flexible line having a bend restrictor.

Title (de)

Vorrichtung zum Verlegen eines mit einem Krümmungsbegrenzer versehenen flexiblen Rohrstrangs.

Title (fr)

Dispositif de montage d'une ligne flexible comportant un limiteur de courbure.

Publication

EP 0565445 B1 19950628 (FR)

Application

EP 93400912 A 19930407

Priority

FR 9204229 A 19920407

Abstract (en)

[origin: EP0565445A1] Device for securing a flexible line to a structure, including a hollow rigid member, forming part of the said structure or fixed onto the said structure, and which the flexible line passes through after having been drawn, with the aid of a hauling cable fixed to one end of the said flexible line, particularly onto the end fitting mounted on the latter for its connection to the said structure, and a bend restrictor engaged on the said flexible line and secured to fixing means capable of interacting with fixing means secured to the said hollow rigid member for fitting the bend restrictor onto the said structure. It comprises means (13) for immobilising the bend restrictor (6) on the said flexible line (4) at a distance from the said end of the latter during a first phase of hauling the flexible line, at the end of which phase the bend restrictor is brought level with the opening zone of the said hollow rigid member (3) for the purpose of fitting it, the said hollow rigid member including, at least during the said first hauling phase, a flared mouthpiece (9). <IMAGE>

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IPC 8 full level

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CPC (source: EP KR US)

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Cited by

FR2780763A1; WO0001920A1; WO9841729A1; FR2760813A1; FR2931867A1; AP3044A; US8210775B2; US10975629B2; US8596912B2; WO2008017807A1; WO2017186284A1; WO2009156639A1; WO2008151660A1; US6352115B1; US6220303B1

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