

Title (en)
DEVICE TO OPERATE DOWNHOLE EQUIPMENT

Title (de)
VORRICHTUNG ZUM BETREIBEN EINER BOHRLOCHAUSRÜSTUNG

Title (fr)
DISPOSITIF D'ACTIONNEMENT POUR ÉQUIPEMENT DE FOND

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Application
EP 11838291 A 20111021

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Abstract (en)
[origin: WO2012060713A1] There is provided A device for conveying a pressure pulse for activating fluid- activated equipment in a pipe (12/27), wherein the device is characterized in that the pipe (27) comprises a flexible membrane (24) which isolates the fluid F1 in the fluid conveying pipe from a fluid F2 in another canal which is in fluid communication with the equipment, wherein the membrane, on account of its elasticity, conveys pressure changes (pressure pulses) in the fluid P1 in the pipe (12) to the fluid P2 in the other canal (30). Beneficially, the other canal (30) is fluidically coupled to a chamber (26) wherein the membrane (24) is located, and the membrane (a bellows) (24) is threaded to an exterior of the pipe section (27) and arranged in a chamber-forming (26) seat of the section of pipe (27), wherein the wall of the section of pipe includes a number of penetrating bored holes for providing fluid connection from the fluid F1 having a pressure P1 in the pipe (27) radially out towards the membrane lying against the outer wall. The membrane (24) is beneficially a sleeve-formed bellows, and the chamber forms a ring-formed arrangement surrounding the section of pipe, and the wall of the pipe comprises a number of penetrating bored holes completely around the pipe.

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