

Title (en)
EXPANDABLE DEVICE

Title (de)
EXPANDIERBARE VORRICHTUNG

Title (fr)
DISPOSITIF EXPANSIBLE

Publication
EP 3102775 B1 20180404 (FR)

Application
EP 15702467 A 20150202

Priority
• FR 1400325 A 20140205
• FR 1457752 A 20140811
• EP 2015052093 W 20150202

Abstract (en)
[origin: WO2015117924A2] The present invention concerns an expandable device, in particular for hydraulic fracturing, that comprises: - a tubular conduit (1); - and, against the outer face of same, a coaxial expandable cylindrical sleeve (20), the opposing ends of which are sealingly linked to said outer face; said tubular conduit (1) thus delimiting, with said sleeve (20), a sealed space (E), the portion of the conduit (1) located opposite said space (E) being free of means of fluid communication with said space (E), characterised by the fact that said space (E) receives a pyrotechnic charge (3) or is in fluid communication with a pyrotechnic charge (3) which, when activated, generates a pressure P1 in said space (E) that is sufficient to deform said sleeve (20) beyond the elastic deformation of same.

IPC 8 full level
E21B 23/06 (2006.01); **E21B 33/127** (2006.01)

CPC (source: EP)
E21B 23/065 (2013.01); **E21B 33/127** (2013.01); **E21B 43/103** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015117924 A2 20150813; WO 2015117924 A3 20151210; EP 3102775 A2 20161214; EP 3102775 B1 20180404

DOCDB simple family (application)
EP 2015052093 W 20150202; EP 15702467 A 20150202