

Title (en)
HIGH PRESSURE LARGE BORE WELL CONDUIT SYSTEM

Title (de)
HOCHDRUCK-LEITUNGSSYSTEM FÜR GROSSES BOHRLOCH

Title (fr)
SYSTÈME DE CONDUITS DE PUITS À ALÉSAGE DE GROS CALIBRE HAUTE PRESSION

Publication
EP 2820338 A4 20160803 (EN)

Application
EP 13793591 A 20130301

Priority
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Abstract (en)
[origin: WO2013176705A1] Well conduit system and methods using a first outer conduit wall and at least one second inner conduit wall positioned through a wellhead to define an annulus with radial loading surfaces extending across the annulus and radially between at least two of the conduit walls to form passageways through subterranean strata concentrically, wherein an inner pipe body of greater outer diameter is inserted into an outer pipe body of lesser inner diameter by elastically expanding the circumference of the outer pipe body and elastically compressing the circumference of the inner pipe body, using a hoop force exerted therebetween. Releasing the hoop force after insertion will release the elastic expansion and compression of the pipe bodies to abut the radial loading surfaces within the annulus for sharing elastic hoop stress resistance and thereby forming a greater effective wall thickness, capable of containing higher pressures than the conduit walls could otherwise bear.

IPC 8 full level
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E21B 17/00 (2013.01 - EP); **E21B 17/18** (2013.01 - CN EP); **E21B 23/12** (2020.05 - CN EP); **E21B 33/047** (2013.01 - EP); **E21B 41/0035** (2013.01 - CN EP); **E21B 43/10** (2013.01 - EP); **E21B 43/14** (2013.01 - CN EP); **E21B 2200/01** (2020.05 - EP)

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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

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