

Title (en)

System for expanding a tubular element in a borehole

Title (de)

System zur Erweiterung eines röhrenförmigen Elements in einem Bohrloch

Title (fr)

Système d'expansion d'un élément tubulaire dans un puits de forage

Publication

EP 2725278 A1 20140430 (EN)

Application

EP 12190414 A 20121029

Priority

EP 12190414 A 20121029

Abstract (en)

A system is disclosed for lining a borehole. The system comprises a radially expandable tubular element extending into the borehole. The wall of the tubular element at a downhole end thereof is bent radially outward and in axially reverse direction so as to define an expanded tubular section extending around an unexpanded tubular section. The unexpanded tubular section includes a weld interconnecting first and second wall portions of the wall. An actuator is arranged to move the unexpanded tubular section downward relative to the expanded tubular section so as to further expand the tubular element by bending the wall of the tubular element at the lower end thereof radially outward and in axially reverse direction. At least one strengthening member is arranged at the outer surface of the unexpanded tubular section, extending in a direction across the weld. Each strengthening member has a resistance to stretching in said direction across the weld.

IPC 8 full level

F16L 55/165 (2006.01); **E21B 43/10** (2006.01)

CPC (source: EP)

E21B 43/108 (2013.01)

Citation (applicant)

WO 2008006841 A1 20080117 - SHELL INT RESEARCH [NL], et al

Citation (search report)

- [YD] WO 2008006841 A1 20080117 - SHELL INT RESEARCH [NL], et al
- [Y] US 6254709 B1 20010703 - KAMIYAMA TAKAO [JP], et al
- [A] EP 2460972 A1 20120606 - SHELL INT RESEARCH [NL]
- [A] WO 2009056514 A1 20090507 - SHELL INT RESEARCH [NL], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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