

Title (en)
Expandable sleeve

Title (de)
Aufweitbare Hülse

Title (fr)
Manchon extensible

Publication
EP 1719873 A1 20061108 (EN)

Application
EP 05290982 A 20050504

Priority
EP 05290982 A 20050504

Abstract (en)
An expandable sleeve for use in a well, comprises a tubular structure including an external sealing layer (10) comprising a compliant material; an intermediate expandable tubular body (12) made from a plastically deformable material; and an internal spring structure (14) such as a helically wound spring; wherein the external sealing layer is disposed on the outer surface of the tubular body, and the internal spring structure is disposed inside the tubular body and acts so as to exert a radial force on the body when in an expanded state. Such a sleeve can be used to seal off perforations (18), and in well completions using slotted liners or in drilling applications.

IPC 8 full level
E21B 29/10 (2006.01); **E21B 33/124** (2006.01); **E21B 43/10** (2006.01)

CPC (source: EP US)
E21B 29/10 (2013.01 - EP US); **E21B 33/124** (2013.01 - EP US); **E21B 43/103** (2013.01 - EP US); **E21B 43/108** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1719873 A1 20061108; CA 2542990 A1 20061104; CA 2542990 C 20150120; US 2007089886 A1 20070426

DOCDB simple family (application)
EP 05290982 A 20050504; CA 2542990 A 20060412; US 38008606 A 20060425