

Title (en)
Methods and apparatus for expanding tubular members

Title (de)
Vorrichtung und Verfahren zum Aufweiten von rohrförmigen Elementen

Title (fr)
Appareil et procédé d'élargissement d'éléments tubulaires

Publication
EP 1717411 A1 20061102 (EN)

Application
EP 05290939 A 20050429

Priority
EP 05290939 A 20050429

Abstract (en)
A tool (10) for expanding a tubular member in a well, comprises: a locating device for locating the tool in the tubular member to be expanded; and an expanding device for expanding the tubular member beyond its starting diameter, the expanding device comprising a radial array of expanding elements (40), each element, in use, acting on the tubular member to deform it radially outwardly; wherein each element is moveable in an axial direction independently of the other elements in the array. A method of expanding a tubular member in a well, comprises: positioning an expansion tool in the tubular member in the well, the expansion tool comprising a radial array of expanding elements; and moving the elements in an axial direction to act on the tubular and deform it in a radial direction, each at least on element moving in an axial direction independently of others in the array. A system comprises a tool suspended on a wireline cable and connected to control equipment located at the surface so as to be operable in a well to expand tubular members located therein.

IPC 8 full level
E21B 43/10 (2006.01)

CPC (source: EP US)
E21B 43/103 (2013.01 - EP US); **E21B 43/105** (2013.01 - EP US)

Citation (applicant)
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AL BA HR LV MK YU

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