

Title (en)
Expansion controlled autofrettage

Title (de)
Autofrettage-Verfahren

Title (fr)
Procédé d'autofrettage

Publication
EP 2623616 B1 20140910 (DE)

Application
EP 12153851 A 20120203

Priority
EP 12153851 A 20120203

Abstract (en)
[origin: EP2623616A1] The method involves applying high pressure of 700 bar at interior (2) of a metal pipe (1). A plastic deformation of metal or of metal wall is occurred from the inner surface (3) of the metal pipe. The pressure is increased gradually during the plasticization treatment. The outer diameter of metal pipe is measured during plasticization treatment. The pressure increasing process is terminated while reaching critical outside diameter of metal pipe, and then pressure is reduced again.

IPC 8 full level
C21D 7/12 (2006.01)

CPC (source: EP)
C21D 7/12 (2013.01)

Cited by
EP3192737A1

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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