

Title (en)

Method and apparatus for relieving stress in a pipeline

Title (de)

Verfahren und Vorrichtung zur Reduzierung von Spannungen in einer Rohrleitung

Title (fr)

Procédé et dispositif pour réduire les contraintes dans un conduit

Publication

EP 2505677 B1 20220921 (EN)

Application

EP 12250071 A 20120326

Priority

GB 201105523 A 20110331

Abstract (en)

[origin: EP2505677A2] A method of treating a pipeline (4) (or other welded structure under tensile stress) to increase resistance to stress corrosion cracking, the method comprising heating the outside surface of a weld of a pipeline (4), and cooling the inside surface (12) of the weld of the pipeline (4) with a cryogenic coolant during and/or after the heating step to provide a tensile stress-relieved layer on the inside of the pipeline.

IPC 8 full level

C21D 9/08 (2006.01); **C21D 1/30** (2006.01); **C21D 9/50** (2006.01)

CPC (source: EP)

C21D 1/30 (2013.01); **C21D 9/08** (2013.01); **C21D 9/505** (2013.01); **C21D 2221/10** (2013.01)

Citation (examination)

JP 3627194 B2 20050309

Cited by

CN107511610A; CN114561526A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2505677 A2 20121003; **EP 2505677 A3 20160817**; **EP 2505677 B1 20220921**; DK 2505677 T3 20221107; GB 201105523 D0 20110518

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