

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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