

Title (en)
WELDING PROCESS

Title (de)
SCHWEIßVERFAHREN

Title (fr)
PROCÉDÉ DE SOUDAGE

Publication
EP 1976657 A1 20081008 (DE)

Application
EP 07722762 A 20070123

Priority

- EP 2007000539 W 20070123
- DE 102006003293 A 20060123
- DE 102006033992 A 20060722

Abstract (en)
[origin: DE102006033992A1] Welding process for connecting a first pipe (1) with a second pipe (2) along a peripheral joint (3) using a welding seam comprises placing the two pipes in a position necessary for forming the peripheral joint, moving a cooling body for introducing coolant into the pipes so that the coolant released is able to cool one of the pipes in the region of the end to be welded, moving the pipes and a welding torch (4) relative to each other to form a welding seam along the peripheral joint and applying the coolant in determined intervals. An independent claim is also included for a cooling body for cooling a pipe.

IPC 8 full level
B23K 9/00 (2006.01); **B23K 37/00** (2006.01)

CPC (source: EP US)
B23K 9/0282 (2013.01 - EP US); **B23K 9/325** (2013.01 - EP US); **B23K 37/003** (2013.01 - EP US); **B23K 37/0276** (2013.01 - EP US); **B23K 37/0531** (2013.01 - EP US); **B23K 37/0538** (2013.01 - EP US); **B23K 2101/06** (2018.07 - EP US); **B23K 2103/05** (2018.07 - EP US); **B23K 2103/26** (2018.07 - EP US)

Citation (search report)
See references of WO 2007098827A1

Citation (examination)

- DE 102005002618 A1 20051201 - KALBERG FRIEDEL PAUL [DE]
- EP 0001221 A1 19790404 - LINDE AG [DE]

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006033992 A1 20070802; BR PI0706665 A2 20110405; CA 2639918 A1 20070907; CN 101415515 A 20090422; CN 101415515 B 20120125; EP 1976657 A1 20081008; JP 2009523615 A 20090625; US 2009212024 A1 20090827; WO 2007098827 A1 20070907

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DE 102006033992 A 20060722; BR PI0706665 A 20070123; CA 2639918 A 20070123; CN 200780002952 A 20070123; EP 07722762 A 20070123; EP 2007000539 W 20070123; JP 2008550700 A 20070123; US 16188007 A 20070123