

Title (en)
METHOD FOR WELDING HALF SHELLS

Title (de)
VERFAHREN ZUR SCHWEIßUNG VON HALBSCHALEN

Title (fr)
PROCÉDÉ DE SOUDAGE DE DEMI-COQUILLES

Publication
EP 2598278 A1 20130605 (DE)

Application
EP 11740861 A 20110718

Priority
• EP 10007807 A 20100727
• EP 2011062249 W 20110718
• EP 11740861 A 20110718

Abstract (en)
[origin: EP2412473A1] The method comprises positively and/or non-positively connecting a first upper half-shell (1) with a first lower half-shell (2), and positively and/or non-positively connecting a second upper half-shell (3) with a second lower half-shell (4). The first upper and first lower half-shell are welded together with the second upper and second lower half-shell. The first upper and first lower half-shell and/or the second upper and second lower half-shell are connected together by screws, shrink rings or lids that are covered during the welding. The method comprises positively and/or non-positively connecting a first upper half-shell (1) with a first lower half-shell (2), and positively and/or non-positively connecting a second upper half-shell (3) with a second lower half-shell (4). The first upper and first lower half-shell are welded together with the second upper and second lower half-shell. The first upper and first lower half-shell and/or the second upper and second lower half-shell are connected together by screws, shrink rings or lids that are covered during the welding. After the welding, the first upper and second upper half-shell are separated at a horizontal split joint from the first lower and second lower half-shell. The half-shells are equally large. The first upper and the second upper and/or the first lower and the second lower half-shell are formed from different materials. A cast steel is used for the first upper and the first lower half-shell, and a nickel-base casting is used for the second upper and second lower half-shell. The first upper and first lower half-shell and/or the second upper and second lower half-shell are connected together at an end face in a region of a circumferential welding (5) by a connection welding.

IPC 8 full level
B23K 33/00 (2006.01); **B23K 9/028** (2006.01); **B23K 26/28** (2006.01); **F01D 25/24** (2006.01); **F16L 13/04** (2006.01)

CPC (source: EP US)
B23K 9/0282 (2013.01 - EP US); **B23K 26/282** (2015.10 - EP US); **B23K 31/02** (2013.01 - US); **B23K 33/006** (2013.01 - EP US); **F01D 25/24** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **B23K 2101/001** (2018.07 - EP US); **B23K 2103/06** (2018.07 - EP US); **B23K 2103/18** (2018.07 - EP US); **B23K 2103/26** (2018.07 - EP US); **F05D 2230/232** (2013.01 - EP US)

Citation (search report)
See references of WO 2012019872A1

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

DOCDB simple family (publication)
EP 2412473 A1 20120201; CN 103038018 A 20130410; EP 2598278 A1 20130605; JP 2013538965 A 20131017; US 2013119116 A1 20130516; WO 2012019872 A1 20120216

DOCDB simple family (application)
EP 10007807 A 20100727; CN 201180036973 A 20110718; EP 11740861 A 20110718; EP 2011062249 W 20110718; JP 2013521062 A 20110718; US 201113811945 A 20110718