

Title (en)
ESTABLISHING A CONNECTION BETWEEN STEAM GENERATOR HEATING SURFACES AND A COLLECTOR AND/OR DISTRIBUTOR

Title (de)
HERSTELLUNG EINER VERBINDUNG ZWISCHEN DAMPFERZEUGER-HEIZFLÄCHEN UND EINEM SAMMLER UND/ODER VERTEILER

Title (fr)
REALISATION D'UNE CONNEXION ENTRE DES SURFACES CHAUFFANTES D'UN GENERATEUR DE VAPEUR ET UN COLLECTEUR ET/OU UN REPARTITEUR

Publication
EP 1769195 B1 20100922 (DE)

Application
EP 05769368 A 20050704

Priority
• DE 2005001174 W 20050704
• DE 102004032611 A 20040705

Abstract (en)
[origin: US2007221144A1] The invention relates to the establishing of a connection between steam generator heating surfaces made of austenitic materials and a collector and/or distributor made of martensitic or ferritic materials or of a nickel-base alloy. In order to extend the expectation of serviceable life of the connection, the pipe nipple of the reservoir used as a collector or distributor is made of a nickel-base alloy and directly welded to the collector wall in such a manner that an axial gap remains between the connecting branch and the collector wall. In a connection of the aforementioned type between steam generator heating surfaces made of austenitic materials and the pipe nipple or the pipe nipple and the collector made of martensitic materials, the coefficient of expansion of the material of the pipe nipple has a particularly good effect upon the serviceable life of the entire connection.

IPC 8 full level
F22B 37/10 (2006.01); **F22B 37/04** (2006.01); **F22B 37/22** (2006.01); **F22G 3/00** (2006.01)

CPC (source: EP US)
F22B 37/04 (2013.01 - EP US); **F22B 37/104** (2013.01 - EP US); **F22B 37/225** (2013.01 - EP US); **F22G 3/009** (2013.01 - EP US); **Y10S 122/16** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US)

Cited by
CN110142525A

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

Designated extension state (EPC)
BA HR MK YU

DOCDB simple family (publication)
US 2007221144 A1 20070927; **US 7533633 B2 20090519**; AT E482363 T1 20101015; AU 2005262109 A1 20060119; AU 2005262109 B2 20100708; CA 2572518 A1 20060119; DE 102004032611 A1 20060202; DE 502005010292 D1 20101104; EP 1769195 A1 20070404; EP 1769195 B1 20100922; ES 2353393 T3 20110301; HR P20100704 T1 20110131; PL 1769195 T3 20110331; PT 1769195 E 20101229; RS 51533 B 20110630; WO 2006005306 A1 20060119; ZA 200700986 B 20081231

DOCDB simple family (application)
US 63174605 A 20050704; AT 05769368 T 20050704; AU 2005262109 A 20050704; CA 2572518 A 20050704; DE 102004032611 A 20040705; DE 2005001174 W 20050704; DE 502005010292 T 20050704; EP 05769368 A 20050704; ES 05769368 T 20050704; HR P20100704 T 20101220; PL 05769368 T 20050704; PT 05769368 T 20050704; RS P20100556 A 20050704; ZA 200700986 A 20070202