

Title (en)  
STEAM GENERATOR TUBE, METHOD OF MANUFACTURING THE SAME AND ONCE-THROUGH STEAM GENERATOR

Title (de)  
DAMPFERZEUGERROHR, ZUGEHÖRIGES HERSTELLUNGSVERFAHREN SOWIE DURCHLAUFDAMPFERZEUGER

Title (fr)  
TUBE DE GÉNÉRATEUR DE VAPEUR, PROCÉDÉ DE FABRICATION ASSOCIÉ ET CHAUDIÈRE À VAPEUR À PASSAGE UNIQUE

Publication  
**EP 1957864 A2 20080820 (DE)**

Application  
**EP 06819666 A 20061122**

Priority  

- EP 2006068757 W 20061122
- EP 05026487 A 20051205
- EP 06819666 A 20061122

Abstract (en)  
[origin: EP1793164A1] The tube (10) has an insert (22) arranged in an inner space of the tube for forming an inner profile. The insert has a set of wires (24) which are spirally wound along a tube inner wall (26) in the form of multi-start windings. A lead angle of the wires opposite to a reference plane oriented perpendicular to a tube axis amounts between 30 and of 70 degrees. The wires lying on the inner wall are connected with one another by radial reinforcement rods and/or with a middle wire that is running along the tube axis. An independent claim is also included for a method for manufacturing steam generator tubes with an inner profile.

IPC 8 full level  
**F22B 29/06** (2006.01); **F22B 37/18** (2006.01)

CPC (source: EP KR US)  
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Citation (search report)  
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DOCDB simple family (publication)  
**EP 1793164 A1 20070606**; AR 056825 A1 20071024; AU 2006324057 A1 20070614; AU 2006324057 B2 20101118; BR PI0619408 A2 20111104; CA 2632381 A1 20070614; CN 101389904 A 20090318; CN 101389904 B 20110706; EP 1957864 A2 20080820; EP 1957864 B1 20170426; JP 2009518610 A 20090507; JP 4948543 B2 20120606; KR 101332251 B1 20131125; KR 20080081941 A 20080910; RU 2008127369 A 20100120; RU 2419029 C2 20110520; TW 200730772 A 20070816; TW I373594 B 20121001; US 2009095236 A1 20090416; US 8122856 B2 20120228; WO 2007065790 A2 20070614; WO 2007065790 A3 20080925; ZA 200803925 B 20090325

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**EP 05026487 A 20051205**; AR P060105308 A 20061201; AU 2006324057 A 20061122; BR PI0619408 A 20061122; CA 2632381 A 20061122; CN 200680045751 A 20061122; EP 06819666 A 20061122; EP 2006068757 W 20061122; JP 2008542724 A 20061122; KR 20087015936 A 20061122; RU 2008127369 A 20061122; TW 95144956 A 20061204; US 8610006 A 20061122; ZA 200803925 A 20080508