

Title (en)  
BOILER WATER WALL PANEL

Title (de)  
KESSELWASSERWANDPANEEL

Title (fr)  
PANNEAU MURAL AVEC EAU DE CHAUDIÈRE

Publication  
**EP 2080951 A1 20090722 (EN)**

Application  
**EP 07741879 A 20070418**

Priority  
• JP 2007058443 W 20070418  
• JP 2006300962 A 20061106

Abstract (en)  
It is an object to reduce the burden of a welding operation in producing a boiler waterwall panel and to reduce the burden of maintaining a furnace housing using the boiler waterwall panels thereby to improve the operating rate of the boiler. In a boiler waterwall panel 80, a panel body 70 with water passages is constituted by a plurality of metal seamless finned single tubes 60 as constituent units integrally produced by a hot extrusion method, etc., and joined by welding tip ends of fin portions 62. On at least one surface side of the panel body 70, fusion-bonded coating 81 for frame-like edge portions and fusion-bonded coating 82 for inner region, of a corrosion resistant alloy are formed. The finned single tube 60 has a single tubular portion 61 for a cooling water passage and a pair of fin portions 62 extending in the tube axial direction at peripheral opposite sides of the tube, and the external surface of the transition portion 63 is formed into a concave surface having a curvature radius of 3 to 6 mm.

IPC 8 full level  
**F22B 37/10** (2006.01); **F22B 37/04** (2006.01)

CPC (source: EP KR US)  
**F22B 37/04** (2013.01 - EP KR US); **F22B 37/10** (2013.01 - KR); **F22B 37/102** (2013.01 - EP US)

Cited by  
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DE FR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 2080951 A1 20090722**; **EP 2080951 A4 20091216**; CN 101379345 A 20090304; JP 2008116150 A 20080522; KR 20090101322 A 20090925; TW 200821503 A 20080516; US 2010300379 A1 20101202; WO 2008056456 A1 20080515

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