

Title (en)  
IRON-BASED BRAZING FILLER METALS

Title (de)  
LÖTFÜLLMETALLE AUF EISENBASIS

Title (fr)  
METAUX D'APPORT DE BRASAGE A BASE DE FER

Publication  
**EP 1812615 A2 20070801 (EN)**

Application  
**EP 05824771 A 20051101**

Priority  
• US 2005039408 W 20051101  
• US 97794404 A 20041101

Abstract (en)  
[origin: US2006090820A1] A plurality of parts is brazed using an iron-based brazing filler metal. The parts generally include stainless steel, and the brazed assembly forms a heat exchanger characterized by effective corrosion resistance and low rates of leaching of nickel into fluids passing therethrough. The heat exchanger is especially suited for use in processing items intended to be ingested by humans or animals.

IPC 8 full level  
**C22C 45/02** (2006.01)

CPC (source: EP KR US)  
**B23K 1/0012** (2013.01 - EP US); **C22C 45/02** (2013.01 - EP KR US); **F28D 7/16** (2013.01 - EP US); **F28D 9/0037** (2013.01 - EP US); **F28F 3/025** (2013.01 - EP US); **F28F 9/0219** (2013.01 - EP US); **F28F 9/18** (2013.01 - EP US); **B23K 2101/14** (2018.07 - EP US)

Citation (search report)  
See references of WO 2006050334A2

Designated contracting state (EPC)  
DE FR GB IT SE

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**US 2006090820 A1 20060504**; EP 1812615 A2 20070801; JP 2008518786 A 20080605; KR 20070085596 A 20070827; TW 200628258 A 20060816; WO 2006050334 A2 20060511; WO 2006050334 A3 20070201

DOCDB simple family (application)  
**US 97794404 A 20041101**; EP 05824771 A 20051101; JP 2007539285 A 20051101; KR 20077012357 A 20070531; TW 94138255 A 20051101; US 2005039408 W 20051101