

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** (2018.08 - EP US)

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA HR MK YU

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