

Title (en)

STRIP OF ALUMINUM ALLOY FOR MANUFACTURING BRAZED HEAT EXCHANGERS

Title (de)

ALUMINIUMLEGIERUNGSBAND ZUR HERSTELLUNG GELÖTETER WÄRMETAUSCHER

Title (fr)

BANDE EN ALLIAGE D'ALUMINIUM POUR LA FABRICATION D'ÉCHANGEURS DE CHALEUR BRASÉS

Publication

**EP 3934908 A1 20220112 (FR)**

Application

**EP 20719682 A 20200227**

Priority

- FR 1902177 A 20190304
- FR 1902257 A 20190305
- FR 2020050389 W 20200227

Abstract (en)

[origin: US2022145432A1] A strip intended for the manufacture of brazed heat exchangers, having a core made of an aluminium alloy with the composition (weight %): Si: 0.10-0.30%, preferably 0.15-0.25% Fe<0.20% Cu: 0.75-1.05%, preferably 0.75-1.02%, more preferably 0.75-1.0% Mn: 1.2-1.7%, preferably 1.2-1.55%, more preferably 1.25-1.4% Mg<0.03% preferably <0.025%, more preferably <0.015% Zn<0.1% Ti<0.15% other elements <0.05% each and <0.15% in total, remainder aluminium.

IPC 8 full level

**B32B 15/01** (2006.01); **B23K 35/02** (2006.01); **B23K 35/28** (2006.01); **C22C 21/00** (2006.01); **C22C 21/02** (2006.01); **C22C 21/04** (2006.01); **C22F 1/04** (2006.01); **F28F 21/08** (2006.01); **B23K 101/14** (2006.01)

CPC (source: EP KR US)

**B23K 1/0012** (2013.01 - EP KR US); **B23K 35/02** (2013.01 - EP); **B23K 35/0233** (2013.01 - EP KR); **B23K 35/0238** (2013.01 - EP KR); **B23K 35/286** (2013.01 - EP KR); **B32B 15/016** (2013.01 - EP KR); **C21D 8/0226** (2013.01 - US); **C21D 8/0236** (2013.01 - US); **C21D 8/0273** (2013.01 - US); **C22C 21/00** (2013.01 - EP US); **C22C 21/02** (2013.01 - EP KR); **C22C 21/04** (2013.01 - EP KR); **C22F 1/04** (2013.01 - EP US); **C22F 1/043** (2013.01 - EP KR); **C23C 28/021** (2013.01 - US); **F28F 21/089** (2013.01 - EP KR US); **B23K 2101/14** (2018.08 - EP); **F28F 21/084** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3093450 A1 20200911**; DE 20719682 T1 20220505; EP 3934908 A1 20220112; FR 3093451 A1 20200911; FR 3093451 B1 20220701; JP 2022522881 A 20220420; KR 20210135271 A 20211112; US 11932922 B2 20240319; US 2022145432 A1 20220512

DOCDB simple family (application)

**FR 1902177 A 20190304**; DE 20719682 T 20200227; EP 20719682 A 20200227; FR 1902257 A 20190305; JP 2021552542 A 20200227; KR 20217031370 A 20200227; US 202017436003 A 20200227