

Title (en)

AlMgSi-sheet for applications with high shaping requirements

Title (de)

AlMgSi-Band für Anwendungen mit hohen Umformungsanforderungen

Title (fr)

Bande AlMgSi pour applications ayant des exigences de déformation élevées

Publication

EP 2449145 B1 20190807 (DE)

Application

EP 10723562 A 20100521

Priority

- EP 2010057071 W 20100521
- EP 09164221 A 20090630
- EP 10723562 A 20100521

Abstract (en)

[origin: EP2270249A1] The method for producing a strip made of aluminum-magnesium-silicon alloy, comprises casting rolling ingots made of aluminum-magnesium-silicon alloy, subjecting the rolling ingots to a homogenization, hot-rolling the rolling ingots introduced at hot-rolling temperature, and then optionally cold-rolling the rolling ingots to a final thickness. The hot strip has a specified temperature of maximum 100[deg] C immediately after the outflow from the hot rolling pass and is winded-off with the specified temperature or low temperature. The hot strip is quenched under the use of platinum cooler (5, 5'). The method for producing a strip made of aluminum-magnesium-silicon alloy, comprises casting rolling ingots made of aluminum-magnesium-silicon alloy, subjecting the rolling ingots to a homogenization, hot-rolling the rolling ingots introduced at hot-rolling temperature, and then optionally cold-rolling the rolling ingots to a final thickness. The hot strip has a specified temperature of maximum 100[deg] C immediately after the outflow from the hot rolling pass and is winded-off with the specified temperature or low temperature. The hot strip is quenched under the use of platinum cooler (5, 5') and the emulsion-admitted hot rolling pass even at the outflow temperature. The hot rolling temperature of the hot strip before the cooling process is 400[deg] C during the hot rolling process. The thickness of the hot strip is 3.5-8 mm. The aluminum alloy is an alloy type of AA6014, AA6016, AA6060, AA6111 or AA6181. An independent claim is included for an aluminum strip.

IPC 8 full level

C22F 1/05 (2006.01); **C22C 21/02** (2006.01); **C22C 21/08** (2006.01)

CPC (source: EP KR US)

B22D 7/005 (2013.01 - EP US); **B22D 21/007** (2013.01 - EP US); **C21D 1/26** (2013.01 - US); **C21D 1/62** (2013.01 - EP US); **C22C 21/02** (2013.01 - EP KR US); **C22C 21/08** (2013.01 - EP KR US); **C22F 1/043** (2013.01 - US); **C22F 1/05** (2013.01 - EP KR US)

Citation (examination)

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DOCDB simple family (publication)

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