

Title (en)

METHODS OF OFF-LINE HEAT TREATMENT OF NON-FERROUS ALLOY FEEDSTOCK

Title (de)

VERFAHREN ZUR OFFLINE-WÄRMEBEHANDLUNG VON EISENFREIEM LEGIERUNGS-AUSGANGSTOFF

Title (fr)

PROCÉDÉS DE TRAITEMENT THERMIQUE HORS-LIGNE D'UN PRODUIT DE DÉPART EN ALLIAGE NON FERREUX

Publication

EP 3320123 A4 20190327 (EN)

Application

EP 15897855 A 20150707

Priority

US 2015039391 W 20150707

Abstract (en)

[origin: WO2017007458A1] The present invention, in some embodiments, is a method of forming an O temper or T temper product that includes obtaining a coil of a non-ferrous alloy strip as feedstock; uncoiling the coil of the feedstock; heating the feedstock to a temperature between a recrystallization temperature of the non-ferrous alloy and 10 degrees Fahrenheit below a solidus temperature of the non-ferrous alloy; and quenching the feedstock to form a heat-treated product having an O temper or T temper. The non-ferrous alloy strip used in the method excludes aluminum alloys having 0.4 weight percent silicon, less than 0.2 weight percent iron, 0.35 to 0.40 weight percent copper, 0.9 weight percent manganese, and 1 weight percent magnesium.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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- See also references of WO 2017007458A1

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