

Title (en)

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

Title (de)

VERFAHREN ZUR OFFLINE-WÄRMEBEHANDLUNG VON EISENFREIEM LEGIERUNGSANGANGSTOFF

Title (fr)

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

Publication

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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.

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Citation (third parties)

Third party : Aleris Aluminium Duffel BVBA /Dr. Christine Huber/

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