

Title (en)

Method for producing an aluminium film with integrated safety characteristics

Title (de)

Verfahren zum Herstellen einer Aluminiumfolie mit integrierten Sicherheitsmerkmalen

Title (fr)

Procédé de fabrication d'une feuille en aluminium dotée de caractéristiques de sécurité intégrées

Publication

**EP 2572807 B1 20140611 (DE)**

Application

**EP 11450126 A 20110922**

Priority

EP 11450126 A 20110922

Abstract (en)

[origin: EP2572807A1] The surface sides (4'a,4'b) of aluminum foil (1,4') is arranged extending in rolling direction (5'a). A loose composite is formed in aluminum foil, and is supplied to work rolls. The supplied foil is fed to rolling surface and its average surface roughness is reduced to form motif for a security feature (6). The security feature is applied to surface of the roll-facing surface side (2a) of the aluminum foil, and loose composite and aluminum foil are separated. An independent claim is included for aluminum foil.

IPC 8 full level

**B21B 1/22** (2006.01); **B21H 8/00** (2006.01)

CPC (source: EP US)

**B21B 1/227** (2013.01 - EP US); **B21B 1/40** (2013.01 - EP US); **B21H 8/005** (2013.01 - EP US); **B21B 2003/001** (2013.01 - EP US); **Y10T 29/302** (2015.01 - EP US); **Y10T 428/12431** (2015.01 - EP US)

Cited by

US9649676B2; WO2014066918A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2572807 A1 20130327**; **EP 2572807 B1 20140611**; CA 2819772 A1 20130328; CA 2819772 C 20150811; CN 103889604 A 20140625; CN 103889604 B 20161228; ES 2492520 T3 20140909; HR P20140861 T1 20141024; JP 2015502254 A 20150122; JP 5996653 B2 20160921; KR 101975313 B1 20190828; KR 20140077159 A 20140623; MX 2014003290 A 20141205; MX 348425 B 20170612; PL 2572807 T3 20141128; RU 2013122467 A 20141120; RU 2598413 C2 20160927; SI 2572807 T1 20141030; US 2014322557 A1 20141030; WO 2013040612 A1 20130328

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