

Title (en)

Aluminized sheet with poor emissivity and process for making the same

Title (de)

Aluminisiertes Blech mit schwacher Wärmeabstrahlung und Verfahren zu dessen Herstellung

Title (fr)

Toile aluminisée à faible émissivité et procédé pour obtenir ledit produit

Publication

EP 0835947 B1 20010829 (FR)

Application

EP 97402173 A 19970919

Priority

FR 9612318 A 19961010

Abstract (en)

[origin: EP0835947A1] A steel sheet is coated on at least one side with an aluminium-based alloy containing up to 11% by weight of silicon, which gives it an emissivity below 0.15 for wavelengths between 1.5 and 15 microns. Also claimed are: (i) making the coated sheet, heating the coating above its melting point for 0-100, preferably 0-10 secs. and cooling to below the temperature at which the steel and alloy bond; and (ii) a thermal screen including the sheet.

IPC 1-7

C23C 2/28; **C23C 2/12**

IPC 8 full level

C23C 2/12 (2006.01); **C23C 2/28** (2006.01); **F01N 13/14** (2010.01)

CPC (source: EP US)

C23C 2/12 (2013.01 - EP US); **C23C 2/285** (2013.01 - EP US); **F01N 13/14** (2013.01 - EP US); **Y10S 428/939** (2013.01 - EP US); **Y10T 428/12757** (2015.01 - EP US)

Cited by

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EP 0835947 A1 19980415; **EP 0835947 B1 20010829**; AT E204926 T1 20010915; CA 2218445 A1 19980410; CA 2218445 C 20060124; DE 69706387 D1 20011004; DE 69706387 T2 20020613; ES 2162216 T3 20011216; FR 2754544 A1 19980417; FR 2754544 B1 19981106; PT 835947 E 20020228; US 6207299 B1 20010327

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