

Title (en)

STRUCTURAL METAL ELEMENT WITH IMPROVED THERMAL PROPERTIES AND A METHOD FOR MAKING SAME

Title (de)

TRAGELEMENT AUS METALL MIT VERBESSERTEN THERMISCHEN EIGENSCHAFTEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ELEMENT METALLIQUE DE STRUCTURE A PROPRIETES THERMIQUES AMELIOREES ET PROCEDE DE FABRICATION ASSOCIE

Publication

**EP 1766175 A1 20070328 (EN)**

Application

**EP 05761428 A 20050623**

Priority

- NO 2005000224 W 20050623
- NO 20042648 A 20040623

Abstract (en)

[origin: WO2006001708A1] Structural metal element for door-, window or the similar applications with improved thermal properties, having at least one interior surface, one exterior surface and one internal surface, where at least one surface of the element have improved optical properties by means of a surface treatment or coating. The surface in accordance with the invention has improved thermal emissivity and/or solar reflectance. Further, the invention also relates to a method of making the structural element, treated in a preferred manner or with preferred coatings.

IPC 8 full level

**E06B 1/12** (2006.01); **E06B 3/12** (2006.01)

CPC (source: EP US)

**E06B 3/2632** (2013.01 - EP US); **E06B 3/30** (2013.01 - EP US); **E06B 3/308** (2013.01 - EP US); **E06B 3/5821** (2013.01 - EP US); **E06B 2003/26323** (2013.01 - EP US)

Citation (search report)

See references of WO 2006001708A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006001708 A1 20060105**; AU 2005257675 A1 20060105; BR PI0512518 A 20080311; CN 1997805 A 20070711; EP 1766175 A1 20070328; NO 20070402 L 20070307; US 2008086973 A1 20080417

DOCDB simple family (application)

**NO 2005000224 W 20050623**; AU 2005257675 A 20050623; BR PI0512518 A 20050623; CN 200580023793 A 20050623; EP 05761428 A 20050623; NO 20070402 A 20070122; US 62946105 A 20050623