

Title (en)
Enameling process.

Title (de)
Emaillierverfahren.

Title (fr)
Procédé d'émaillage.

Publication
EP 0081847 A1 19830622 (EN)

Application
EP 82111592 A 19821214

Priority
JP 20179081 A 19811215

Abstract (en)
An aluminum-coated steel sheet for enameling comprising a base steel sheet characterized in that the coated aluminum layer has a rolled-and-recrystallized structure. The aluminum-coated steel sheet enables the formation of an excellent enamel coating free from blister defect and having good adhesion to the substrate.

IPC 1-7
C23C 1/08; **C23C 5/00**; **C23C 9/00**; **C23D 3/00**

IPC 8 full level
C21D 8/02 (2006.01); **C23C 2/12** (2006.01); **C23C 2/26** (2006.01); **C23C 2/28** (2006.01); **C23D 3/00** (2006.01); **C23D 5/00** (2006.01); **C23F 17/00** (2006.01)

CPC (source: EP US)
C23C 2/12 (2013.01 - EP); **C23C 2/26** (2013.01 - EP US); **C23C 2/28** (2013.01 - EP US); **C23D 3/00** (2013.01 - EP)

Citation (search report)

- DE 2909418 A1 19790913 - FURUKAWA ALUMINIUM
- DE 2553051 B2 19810723
- DE 1521197 A1 19690807 - CLEVITE CORP
- US 4150178 A 19790417 - YAGI TOSHIRO, et al
- US 4148942 A 19790410 - GIEREK ADAM, et al
- US 4079157 A 19780314 - YAGI TOSHIO, et al
- PATENT ABSTRACTS OF JAPAN, unexamined applications, C field, vol. 6, no. 7, January 16, 1982 THE PATENT OFFICE JAPANESE GOVERNMENT page 49 C 87; & JP-A-56 130 461 (NITSUSHIN SEIKOU K.K.)
- PATENT ABSTRACTS OF JAPAN, unexamined applications, C field, vol. 5, no. 54, April 15, 1981 THE PATENT OFFICE JAPANESE GOVERNMENT page 73 C 50; & JP-A-56 005 964 (NITSUSHIN SEIKOU K.K.)
- PATENT ABSTRACTS OF JAPAN, unexamined applications, C field, vol. 4, no. 151, October 23, 1980 THE PATENT OFFICE JAPANESE GOVERNMENT page 96 C 28; & JP-A-55 097 474 (MATSUSHITA DENKI SANGYO K.K.)
- PATENT ABSTRACTS OF JAPAN, unexamined applications, C field, vol. 4, no. 81, June 11, 1980 THE PATENT OFFICE JAPANESE GOVERNMENT page 16 C 14; & JP-A-55 044 576 (MATSUSHITA DENKI SANGYO K.K.)
- PATENT ABSTRACTS OF JAPAN, unexamined applications, field C, vol. 4, no. 61, May 8, 1980 THE PATENT OFFICE JAPANESE GOVERNMENT page 73 C 9; & JP-A-55 028 381 (MATSUSHITA DENKI SANGYO K.K.)
- PATENT ABSTRACTS OF JAPAN, unexamined applications, field C, vol. 4, no. 46, April 10, 1980 THE PATENT OFFICE JAPANESE GOVERNMENT page 57 C 6; & JP-A-55 018 521 (FURUKAWA ALUMINIUM KOGYO K.K.)
- PATENT ABSTRACTS OF JAPAN, unexamined applications, field C, vol. 3, no. 14, February 8, 1979 THE PATENT OFFICE JAPANESE GOVERNMENT page 72 C 36; & JP-A-53 138 933 (MITSUBISHI JUKOGYO K.K.)

Cited by
EP3034647A4

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0081847 A1 19830622; **EP 0081847 B1 19870408**; DE 3276009 D1 19870514; JP S58104165 A 19830621; JP S648071 B2 19890213

DOCDB simple family (application)
EP 82111592 A 19821214; DE 3276009 T 19821214; JP 20179081 A 19811215