

Title (en)

PROCESS FOR THE FORMATION OF METAL SHEETS IN THE PRESENCE OF COOLING AND LUBRICATING AGENTS

Publication

EP 0283912 A3 19890308 (DE)

Application

EP 88104151 A 19880316

Priority

DE 3709270 A 19870320

Abstract (en)

[origin: EP0283912A2] In the forming of metal sheets, coolants and lubricants have hitherto been used which had to be carefully removed before coating of the resulting products. The novel process is intended to allow simplified forming with subsequent coating. The forming of metal sheets is carried out in the presence of a coolant and lubricant which is an aqueous emulsion or solution of a binder or binder mixture, which produces a paint film. The film thus produced on the formed product can be cured or dried immediately afterwards. Manufacture of cans.

IPC 1-7

C10M 173/02

IPC 8 full level

C10M 173/02 (2006.01)

CPC (source: EP)

C10M 133/02 (2013.01); **C10M 133/04** (2013.01); **C10M 133/08** (2013.01); **C10M 133/50** (2013.01); **C10M 145/00** (2013.01); **C10M 145/14** (2013.01); **C10M 145/18** (2013.01); **C10M 145/22** (2013.01); **C10M 145/26** (2013.01); **C10M 149/16** (2013.01); **C10M 149/20** (2013.01); **C10M 153/04** (2013.01); **C10M 155/00** (2013.01); **C10M 173/02** (2013.01); **C10M 2201/02** (2013.01); **C10M 2209/00** (2013.01); **C10M 2209/02** (2013.01); **C10M 2209/082** (2013.01); **C10M 2209/084** (2013.01); **C10M 2209/086** (2013.01); **C10M 2209/10** (2013.01); **C10M 2209/101** (2013.01); **C10M 2209/102** (2013.01); **C10M 2209/103** (2013.01); **C10M 2209/105** (2013.01); **C10M 2215/00** (2013.01); **C10M 2215/02** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/042** (2013.01); **C10M 2215/22** (2013.01); **C10M 2215/221** (2013.01); **C10M 2215/225** (2013.01); **C10M 2215/226** (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/30** (2013.01); **C10M 2217/00** (2013.01); **C10M 2217/02** (2013.01); **C10M 2217/024** (2013.01); **C10M 2217/04** (2013.01); **C10M 2217/042** (2013.01); **C10M 2217/043** (2013.01); **C10M 2217/045** (2013.01); **C10M 2217/06** (2013.01); **C10M 2221/00** (2013.01); **C10M 2225/00** (2013.01); **C10M 2225/02** (2013.01); **C10M 2225/04** (2013.01); **C10M 2225/041** (2013.01); **C10M 2229/00** (2013.01); **C10N 2040/20** (2013.01); **C10N 2040/22** (2013.01); **C10N 2040/24** (2013.01); **C10N 2040/241** (2020.05); **C10N 2040/242** (2020.05); **C10N 2040/243** (2020.05); **C10N 2040/244** (2020.05); **C10N 2040/245** (2020.05); **C10N 2040/246** (2020.05); **C10N 2040/247** (2020.05); **C10N 2050/01** (2020.05); **C10N 2050/02** (2013.01)

Citation (search report)

- [A] US 3375193 A 19680326 - RUZZA SERGIO A, et al
- [A] EP 0144872 A2 19850619 - SCM CORP [US]
- [A] US 3974674 A 19760817 - OROZCO GILBERT H, et al
- [AD] EP 0164589 A2 19851218 - DESOTO INC [US]
- [A] EP 0175547 A2 19860326 - NIPPON KOUSAKUYU CO LTD [JP]
- [A] EP 0174628 A2 19860319 - PPG INDUSTRIES INC [US]

Cited by

EP2113538A1; EP2826136B1

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0283912 A2 19880928; **EP 0283912 A3 19890308**; DE 3709270 A1 19880929

DOCDB simple family (application)

EP 88104151 A 19880316; DE 3709270 A 19870320