

Title (en)

OIL-IN-WATER EMULSION FOR THE COLD ROLLING OF ALUMINIUM AND ITS ALLOYS

Publication

**EP 0048216 B1 19841003 (DE)**

Application

**EP 81810351 A 19810827**

Priority

- CH 686380 A 19800912
- DE 3035016 A 19800917

Abstract (en)

[origin: US4326974A] The oil-in-water emulsion contains, besides the usual components, xylitol and sorbitol to inhibit water staining. The inhibitor is fully effective even when 1000 parts by weight of the emulsion contain only 1-30 parts by weight each of xylitol and sorbitol. By making this addition of inhibitor the reaction of the water phase with the metal surface freshly created by rolling is to a large degree eliminated and with that also the elimination of the formation of undesirable water stains on the surface of the strip.

IPC 1-7

**C10M 1/06**; **C10M 3/04**; **C10M 1/22**; **C10M 3/16**

IPC 8 full level

**C10M 173/02** (2006.01); **B21B 45/02** (2006.01); **C10M 173/00** (2006.01); **C10N 40/24** (2006.01)

CPC (source: EP US)

**C10M 173/00** (2013.01 - EP US); **C10M 2201/02** (2013.01 - EP US); **C10M 2205/026** (2013.01 - EP US); **C10M 2207/022** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP US); **C10M 2207/129** (2013.01 - EP US); **C10M 2207/281** (2013.01 - EP US); **C10M 2207/282** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/286** (2013.01 - EP US); **C10M 2207/40** (2013.01 - EP US); **C10M 2207/404** (2013.01 - EP US); **C10M 2209/104** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/26** (2013.01 - EP US); **C10M 2217/046** (2013.01 - EP US); **C10M 2217/06** (2013.01 - EP US); **C10N 2040/24** (2013.01 - EP US); **C10N 2040/241** (2020.05 - EP US); **C10N 2040/242** (2020.05 - EP US); **C10N 2040/243** (2020.05 - EP US); **C10N 2040/244** (2020.05 - EP US); **C10N 2040/245** (2020.05 - EP US); **C10N 2040/246** (2020.05 - EP US); **C10N 2040/247** (2020.05 - EP US); **C10N 2050/01** (2020.05 - EP US)

Cited by

US5211861A; WO9118074A1; DE102009010757A1; EP2113555A1; EP1882873A1; FR2904396A1

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**EP 0048216 A1 19820324**; **EP 0048216 B1 19841003**; AR 224704 A1 19811230; AU 543996 B2 19850516; AU 7438781 A 19820318; BR 8105802 A 19820525; CA 1161827 A 19840207; DE 3035016 A1 19820401; DE 3035016 C2 19850221; DK 150548 B 19870323; DK 150548 C 19871005; DK 379981 A 19820313; IE 51790 B1 19870401; IE 812122 L 19820312; JP H0227391 B2 19900615; JP S5780496 A 19820520; PT 73661 A 19811001; PT 73661 B 19831020; US 4326974 A 19820427; ZA 815909 B 19820825

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**EP 81810351 A 19810827**; AR 28670281 A 19810909; AU 7438781 A 19810820; BR 8105802 A 19810910; CA 385481 A 19810909; DE 3035016 A 19800917; DK 379981 A 19810827; IE 212281 A 19810911; JP 14371281 A 19810911; PT 7366181 A 19810911; US 21384980 A 19801208; ZA 815909 A 19810826