

Title (en)
WATER SOLUBLE SALT PRECOATS FOR WIRE DRAWING

Publication
EP 0382155 B1 19930811 (EN)

Application
EP 90102275 A 19900206

Priority
US 30764389 A 19890207

Abstract (en)
[origin: EP0382155A1] A composition for coating steel wire to facilitate the cold drawing thereof, said composition comprising: (A) from about 50 to about 99.99 % by weight of a component selected from the group consisting of Na₂SO₄, K₂SO₄, and mixtures thereof; (B) from about 0 to about 49.99 % by weight of a component selected from the group consisting of Na₂B₄O₇, NaBO₂, K₂B₄O₇, KBO₂ and mixtures of any two or more thereof; and (C) from about 0.01 to about 5 % by weight of a component selected from the group consisting of potassium soaps, sodium soaps, and ammonium soaps; wherein the percentages by weight are based on the total weight of components A, B, and C in the composition, and wherein not more than 50 % by weight of the total of sodium plus potassium plus ammonium ions in components A, B, and C of the composition consists of sodium ions.

IPC 1-7
C10M 111/02; **C10M 169/04**; **C10M 173/02**; **C10N 40/24**; **C10N 50/02**

IPC 8 full level
C10M 111/02 (2006.01); **C10M 169/04** (2006.01); **C10M 173/02** (2006.01); **C10N 10/02** (2006.01); **C10N 30/00** (2006.01); **C10N 40/24** (2006.01); **C10N 50/02** (2006.01)

CPC (source: EP)
C10M 103/02 (2013.01); **C10M 103/06** (2013.01); **C10M 111/02** (2013.01); **C10M 125/26** (2013.01); **C10M 129/38** (2013.01); **C10M 169/04** (2013.01); **C10M 173/02** (2013.01); **C10M 2201/0413** (2013.01); **C10M 2201/0423** (2013.01); **C10M 2201/0603** (2013.01); **C10M 2201/0613** (2013.01); **C10M 2201/0623** (2013.01); **C10M 2201/0653** (2013.01); **C10M 2201/0663** (2013.01); **C10M 2201/08** (2013.01); **C10M 2201/0803** (2013.01); **C10M 2201/081** (2013.01); **C10M 2201/082** (2013.01); **C10M 2201/084** (2013.01); **C10M 2201/0853** (2013.01); **C10M 2201/0863** (2013.01); **C10M 2201/087** (2013.01); **C10M 2201/0873** (2013.01); **C10M 2201/10** (2013.01); **C10M 2201/1006** (2013.01); **C10M 2201/102** (2013.01); **C10M 2201/1023** (2013.01); **C10M 2201/1033** (2013.01); **C10M 2201/105** (2013.01); **C10M 2201/1053** (2013.01); **C10M 2201/123** (2013.01); **C10M 2207/125** (2013.01); **C10M 2207/129** (2013.01); **C10M 2207/20** (2013.01); **C10N 2010/02** (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)

Cited by
EP0711821A1; US5584945A; CN104593125A; IT202200006158A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0382155 A1 19900816; **EP 0382155 B1 19930811**; AT E92951 T1 19930815; AU 4920990 A 19900816; AU 621980 B2 19920326; BR 9000543 A 19910115; CA 2009377 A1 19900807; CN 1044774 A 19900822; DE 69002649 D1 19930916; DE 69002649 T2 19931216; DK 0382155 T3 19930920; ES 2059847 T3 19941116; JP H02229893 A 19900912; ZA 90917 B 19901128

DOCDB simple family (application)
EP 90102275 A 19900206; AT 90102275 T 19900206; AU 4920990 A 19900207; BR 9000543 A 19900207; CA 2009377 A 19900206; CN 90101159 A 19900207; DE 69002649 T 19900206; DK 90102275 T 19900206; ES 90102275 T 19900206; JP 2189490 A 19900131; ZA 90917 A 19900207