

Title (en)
PICKLING COMPOSITION

Publication
EP 0169413 B1 19910417 (DE)

Application
EP 85108235 A 19850703

Priority
CH 357084 A 19840723

Abstract (en)
[origin: ES8605592A1] Agent for the pickling of and as an antioxidant for workpieces made of iron and steel in the case of when they are subjected to non-cutting, hot transformation. The agent is used in dry form. The agent contains: (a) 20 to 80 percent by weight of a pickling-effective compound, such as, sodium metaborate (b) 1 to 80 percent by weight of a component, such as, graphite and (c) zero to 79 percent by weight of at least one substance selected from group (d), (e) and/or (f). Zero to 35 percent by weight of group (d), such as, coke, can be used as substance (c) and, for example, act as antioxidants. Zero to 50 percent by weight of group (e), such as, sodium chloride, can be used as substance (c), and control the physical characteristics. Zero to 5 percent by weight of group (f), such as, ammonium chloride, can be used as substance (c) and, for example, act on the reduction of the oxides of group (a).

IPC 1-7
C10M 103/00; **C23G 1/14**; **C23G 1/28**; **C23G 5/00**

IPC 8 full level
C23G 1/04 (2006.01); **C10M 103/00** (2006.01); **C23G 1/08** (2006.01); **C23G 1/14** (2006.01); **C23G 1/28** (2006.01); **C23G 5/00** (2006.01)

CPC (source: EP US)
C10M 103/00 (2013.01 - EP US); **C10M 103/02** (2013.01 - EP US); **C10M 105/06** (2013.01 - EP US); **C23G 1/14** (2013.01 - EP US); **C23G 1/28** (2013.01 - EP US); **C23G 5/00** (2013.01 - EP US); **C10M 2201/00** (2013.01 - EP US); **C10M 2201/003** (2013.01 - EP US); **C10M 2201/0403** (2013.01 - EP US); **C10M 2201/041** (2013.01 - EP US); **C10M 2201/0413** (2013.01 - EP US); **C10M 2201/042** (2013.01 - EP US); **C10M 2201/0423** (2013.01 - EP US); **C10M 2201/0433** (2013.01 - EP US); **C10M 2201/061** (2013.01 - EP US); **C10M 2201/062** (2013.01 - EP US); **C10M 2201/08** (2013.01 - EP US); **C10M 2201/081** (2013.01 - EP US); **C10M 2201/082** (2013.01 - EP US); **C10M 2201/084** (2013.01 - EP US); **C10M 2201/085** (2013.01 - EP US); **C10M 2201/087** (2013.01 - EP US); **C10M 2201/102** (2013.01 - EP US); **C10M 2201/103** (2013.01 - EP US); **C10M 2201/16** (2013.01 - EP US); **C10M 2201/18** (2013.01 - EP US); **C10M 2203/065** (2013.01 - EP US); **C10M 2205/14** (2013.01 - EP US); **C10M 2205/16** (2013.01 - EP US); **C10M 2205/17** (2013.01 - EP US); **C10M 2207/121** (2013.01 - EP US); **C10M 2207/122** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP US); **C10M 2207/129** (2013.01 - EP US); **C10M 2209/12** (2013.01 - EP US); **C10M 2215/102** (2013.01 - EP US); **C10M 2217/042** (2013.01 - EP US); **C10M 2217/043** (2013.01 - EP US); **C10N 2040/20** (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)

Cited by
US5099667A; US5042209A; EP0420626A1; EP0403306A1; ITPO20120002A1; US12054689B2; WO2021185568A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI LU SE

DOCDB simple family (publication)
EP 0169413 A2 19860129; **EP 0169413 A3 19880504**; **EP 0169413 B1 19910417**; BR 8503499 A 19860415; CA 1239139 A 19880712; CH 670106 A5 19890512; CS 540085 A2 19910813; DD 235676 A5 19860514; DE 3582525 D1 19910523; ES 545446 A0 19860316; ES 8605592 A1 19860316; JP H0784667 B2 19950913; JP S6137989 A 19860222; PL 145879 B1 19881130; PL 254622 A1 19860812; US 4710307 A 19871201; ZA 855467 B 19860326

DOCDB simple family (application)
EP 85108235 A 19850703; BR 8503499 A 19850723; CA 487244 A 19850722; CH 357084 A 19840723; CS 540085 A 19850722; DD 27878285 A 19850719; DE 3582525 T 19850703; ES 545446 A 19850722; JP 16003185 A 19850719; PL 25462285 A 19850719; US 89538486 A 19860811; ZA 855467 A 19850719