

Title (en)

PROCESS FOR THE PREPARATION OF A COOLING EMULSION, AND ITS APPLICATION

Publication

EP 0062292 B1 19860122 (DE)

Application

EP 82102703 A 19820331

Priority

- DE 3113724 A 19810404
- DE 3132886 A 19810820

Abstract (en)

[origin: ES8307283A1] Method for producing a cooling emulsion, particularly for use as an auxiliary means in boring, cutting and grinding in the metalworking industry, in which organic substances which are per se insoluble in water are rendered water-dispersible and are emulsified with water. A mixture of about 3% to 15% by weight of natural wax(es) of animal and/or 0.1% to 0.45% by weight of a commercial emulsifier, and the remainder an aqueous di/tri-ethanol mixture comprising about 50% by weight of water, 37.5% by weight of di-ethanolamine and about 12.5% by weight of tri-ethanolamine is produced. Then the mixture is brought to a boil while stirring after dissolution of the wax component, it is cooled to a reaction temperature while stirring, and subsequently, after aminization of the wax component by the di/triethanol mixture is cooled down to application temperature. For use it is further diluted with water.

IPC 1-7

C10M 173/00; **C10M 133/08**

IPC 8 full level

C10M 133/08 (2006.01); **C10M 173/00** (2006.01); **C10M 173/02** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

EP 0062292 A2 19821013; **EP 0062292 A3 19830316**; **EP 0062292 B1 19860122**; BR 8201867 A 19830308; CA 1181735 A 19850129; DE 3268625 D1 19860306; ES 511120 A0 19830616; ES 8307283 A1 19830616; US 4440654 A 19840403

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