

Title (en)

An additive to metal cold rolling oil.

Title (de)

Additiv für Öle zum Kaltwalzen von Metallen.

Title (fr)

Additif pour une huile de laminage à froid de métaux.

Publication

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Application

EP 89110384 A 19890608

Priority

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- JP 17341788 A 19880712

Abstract (en)

[origin: EP0349787A2] This invention relates to a cold rolling oil additive and an emulsion type cold rolling oil composition. The additive according to the invention is a compound obtainable by reacting at least one member of polyalkylenepolyamines and polyalkyleneimines each containing 3 to 200 N atoms with at least one member of fatty acid compounds, glycidyl ether compounds and epoxy compounds. With this additive, cold rolling oil compositions having excellent lubricating and stable circulation characteristics can be easily obtained.

IPC 1-7

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IPC 8 full level

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Cited by

CN110564386A; US8732951B2; WO2010006930A1; US8715397B2; US9028785B2; US9034288B2; US9186616B2; US9186617B2; US9186618B2; US9713788B2

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