

Title (en)

Quench oils, concentrates for making quench oils and methods of treating metals.

Title (de)

Abschrecköle, Konzentrate für die Herstellung der Abschrecköle und Behandlungsverfahren für Metalle.

Title (fr)

Huiles de trempe, concentrats pour la fabrication d'huiles de trempe et méthode pour le traitement de métaux.

Publication

**EP 0113157 A1 19840711 (EN)**

Application

**EP 83300321 A 19830121**

Priority

EP 82306999 A 19821230

Abstract (en)

An improved quench oil for use in heat treating ferro-metals comprising a major amount of mineral oil containing (a) an ashless dispersant (e.g. alkenyl succinimide, alkenyl succinic ester, alkenyl succinic ester-amide or alkylphenolformaldehyde-amine Mannich condensate), (b) an alkaline earth or an alkali metal detergent (e.g. calcium aryl sulfonate, calcium phosphonate phenate), and (c) an ashless antioxidant (e.g. alkylated diphenylamine, sterically hindered phenols or sulfurized alkylphenols).

IPC 1-7

**C10M 1/08**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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