

Title (en)

Power transmission fluids with enhanced antishudder durability

Title (de)

Kraftübertragungsflüssigkeiten mit verbesserter dauerhafter Schwingungsdämpfung

Title (fr)

Fluides de transmission d'énergie présentant une durabilité améliorée contre les vibrations

Publication

EP 1645616 A1 20060412 (EN)

Application

EP 05018147 A 20050822

Priority

US 96177904 A 20041008

Abstract (en)

A finished power transmitting fluid having enhanced friction durability and improved μ/v characteristics on paper, steel and advanced friction materials such as carbon fiber, and which may provide a lubricant composition that carries minimal concern for skin sensitization and related health, safety, and environmental issues, can contain lubricating base oil, a friction modifier produced by reacting a polyamine with an aliphatic mono acid such as oleic or isostearic acid under conditions to form a mixture of 1,2-disubstituted imidazoline containing components, wherein further acylation of residual active nitrogens with mono or diacids or anhydrides affords friction modifier compositions having enhanced frictional and handling characteristics.

IPC 8 full level

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CPC (source: EP KR US)

C10M 125/20 (2013.01 - KR); **C10M 133/44** (2013.01 - EP US); **C10M 135/32** (2013.01 - EP US); **C10M 141/06** (2013.01 - EP US); **C10M 141/08** (2013.01 - EP US); **C10M 2205/173** (2013.01 - EP US); **C10M 2215/224** (2013.01 - EP US); **C10M 2219/09** (2013.01 - EP US); **C10N 2020/01** (2020.05 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/042** (2020.05 - EP US); **C10N 2040/044** (2020.05 - EP US); **C10N 2040/045** (2020.05 - EP US)

Citation (search report)

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