

Title (en)

A FLUID COMPOSITION HAVING EXCELLENT FIRE-RESISTANCE

Title (de)

FLÜSSIGE ZUSAMMENSETZUNG MIT HERVORRAGENDER FEUERBESTÄNDIGKEIT

Title (fr)

COMPOSITION FLUIDE AYANT UNE EXCELLENTE RÉSISTANCE À L'INCENDIE

Publication

EP 2099885 A2 20090916 (EN)

Application

EP 07874159 A 20071203

Priority

- US 2007024749 W 20071203
- US 56684106 A 20061205

Abstract (en)

[origin: US2008132436A1] A fluid composition includes a poly(alkylene glycol) present in an amount of greater than 85 parts by weight based on the total weight of the fluid composition, and a sterically hindered ester present in an amount of from 0.5 up to 15 parts by weight based on the total weight of the fluid composition. The sterically hindered ester, present in the amount of from 0.5 up to 15 parts by weight based on the total weight of the fluid composition, provides the fluid compositions with excellent fire resistance, without adversely affecting other physical properties of the fluid compositions such as hydrolytic stability. More specifically, the sterically hindered ester has a higher fire point ($F_{\text{SUB} > p < / \text{SUB} >}$) than the poly(alkylene glycol), which typically sufficiently lowers the S.F.P. of the fluid composition to allow the fluid composition to rate as a Factory Mutual Approved Fluid.

IPC 8 full level

C10M 111/04 (2006.01)

CPC (source: EP KR US)

C10M 107/24 (2013.01 - KR); **C10M 111/04** (2013.01 - EP US); **C10M 129/68** (2013.01 - KR); **C10M 2207/282** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/285** (2013.01 - EP US); **C10M 2209/1045** (2013.01 - EP US); **C10M 2209/1055** (2013.01 - EP US); **C10M 2209/1065** (2013.01 - EP US); **C10M 2209/1075** (2013.01 - EP US); **C10M 2219/108** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/10** (2013.01 - KR); **C10N 2030/12** (2013.01 - KR)

C-Set (source: EP US)

1. **C10M 2207/283 + C10M 2207/281**
2. **C10M 2209/1055 + C10M 2209/1085**

Citation (search report)

See references of WO 2008143648A2

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DOCDB simple family (publication)

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