

Title (en)  
SOLUBLE OIL CUTTING FLUID

Publication  
**EP 0120665 A3 19850403 (EN)**

Application  
**EP 84301863 A 19840320**

Priority  
GB 8307975 A 19830323

Abstract (en)  
[origin: EP0120665A2] A soluble-oil, suitable when diluted with water, for use as a cutting fluid comprises an alkali or alkaline-earth metal alkyl benzene sulphonate, a fatty acid diethanolamide, a mixed alkanolamine borate, a polyisobutenesuccinimide and a major proportion of mineral oil. The soluble-oil is relatively stable without the need for a conventional coupling agent and some soluble-oil emulsions are bio-static even though conventional biocides are not included.

IPC 1-7  
**C10M 1/32**

IPC 8 full level  
**C10M 133/16** (2006.01); **C10M 133/56** (2006.01); **C10M 135/10** (2006.01); **C10M 139/00** (2006.01); **C10M 141/00** (2006.01); **C10M 173/00** (2006.01)

CPC (source: EP)  
**C10M 133/04** (2013.01); **C10M 133/08** (2013.01); **C10M 133/16** (2013.01); **C10M 133/56** (2013.01); **C10M 135/10** (2013.01); **C10M 139/00** (2013.01); **C10M 141/00** (2013.01); **C10M 173/00** (2013.01); **C10M 2201/02** (2013.01); **C10M 2215/02** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/042** (2013.01); **C10M 2215/08** (2013.01); **C10M 2215/082** (2013.01); **C10M 2215/086** (2013.01); **C10M 2215/12** (2013.01); **C10M 2215/122** (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/28** (2013.01); **C10M 2219/044** (2013.01); **C10M 2227/00** (2013.01); **C10M 2227/06** (2013.01); **C10M 2227/061** (2013.01); **C10M 2227/062** (2013.01); **C10M 2227/063** (2013.01); **C10M 2227/065** (2013.01); **C10M 2227/066** (2013.01); **C10N 2040/22** (2013.01); **C10N 2050/01** (2020.05)

Citation (search report)  
• [A] FR 2130714 A1 19721103 - MOBIL OIL CORP  
• [A] US 2999064 A 19610905 - SLUHAN CLYDE A  
• [A] US 4010107 A 19770301 - ROTHERT KENNETH

Cited by  
EP2778216A4; US5629272A; US5507962A; CN109852461A; EP4015603A1; US4618539A; JPS62500937A; EP0178177A3; US4778614A; EP0609623A1; AU661038B2; US5773393A; US9029304B2; US10414964B2; US10844264B2; WO9306198A1; WO8603513A1; US11525102B2; JPWO2012165106A1

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