

Title (en)
FIRE-RESISTANT HYDRAULIC OIL

Title (de)
FEUERFESTES HYDRAULIKÖL

Title (fr)
LIQUIDE HYDRAULIQUE RÉSISTANT AU FEU

Publication
EP 2565257 A4 20131016 (EN)

Application
EP 10850795 A 20100527

Priority
• KR 20100038955 A 20100427
• KR 2010003368 W 20100527

Abstract (en)
[origin: EP2565257A1] Provided is a flame-retardant hydraulic oil prepared by mixing 25 to 97 % by weight (wt%) of a petroleum lubricating base oil, 1 to 20 wt% of a phosphorus or halogen flame-retardant additive, 1 to 35 wt% of an ester compound, and 0.05 to 20 wt% of a performance enhancer.

IPC 8 full level
C10M 169/04 (2006.01); **C10M 101/02** (2006.01); **C10M 129/72** (2006.01); **C10N 30/06** (2006.01); **C10N 30/08** (2006.01); **C10N 30/10** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP)
C10M 141/10 (2013.01); **C10M 169/04** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2203/1025** (2013.01); **C10M 2207/28** (2013.01); **C10M 2207/2805** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/2825** (2013.01); **C10M 2207/2835** (2013.01); **C10M 2207/2855** (2013.01); **C10M 2215/065** (2013.01); **C10M 2223/04** (2013.01); **C10M 2223/041** (2013.01); **C10M 2223/043** (2013.01); **C10N 2020/02** (2013.01); **C10N 2030/02** (2013.01); **C10N 2030/06** (2013.01); **C10N 2030/08** (2013.01); **C10N 2030/10** (2013.01); **C10N 2040/08** (2013.01)

Citation (search report)
• [X] EP 0237804 A2 19870923 - NIPPON OIL CO LTD [JP]
• [X] US 2007027042 A1 20070201 - SUZUKI YASUYOSHI [JP], et al
• [X] US 2009286705 A1 20091119 - POIRIER MARC-ANDRE [CA]
• [I] JP H11269480 A 19991005 - IDEMITSU KOSAN CO
• See references of WO 2011136429A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2565257 A1 20130306; **EP 2565257 A4 20131016**; KR 101147381 B1 20120522; KR 20110119322 A 20111102; WO 2011136429 A1 20111103

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EP 10850795 A 20100527; KR 2010003368 W 20100527; KR 20100038955 A 20100427