

Title (en)
DE-ASHING LUBRICATING OILS

Publication
EP 0077564 A3 19830608 (EN)

Application
EP 82109638 A 19821019

Priority
US 31303681 A 19811019

Abstract (en)
[origin: EP0077564A2] A process for purifying used oil and the like comprising reacting the oil with a treating agent that will form solids from the ash-forming components of the oil, separating the solids from the oil, and subjecting at least a portion of the oil to a two stage hydrotreatment with interstage removal of hydrogen sulfide and/or ammonia.

IPC 1-7
C10M 11/00

IPC 8 full level
C10G 67/02 (2006.01); **C10M 175/00** (2006.01); **C10N 40/00** (2006.01); **C10N 40/04** (2006.01); **C10N 40/08** (2006.01); **C10N 40/25** (2006.01); **C10N 60/02** (2006.01)

CPC (source: EP)
C10M 175/0016 (2013.01)

Citation (search report)
• [D] US 4247389 A 19810127 - JOHNSON MARVIN M, et al
• [D] US 2151072 A 19390321 - BEDFORD ALDA V

Cited by
EP0270813A1; GB2334034A

Designated contracting state (EPC)
BE CH DE FR IT LI NL SE

DOCDB simple family (publication)
EP 0077564 A2 19830427; EP 0077564 A3 19830608; AU 535206 B2 19840308; AU 8888182 A 19830428; BR 8206047 A 19830913; DK 462282 A 19830420; ES 516622 A0 19831116; ES 8405836 A1 19831116; FI 823554 A0 19821018; FI 823554 L 19830420; GB 2107347 A 19830427; GR 78304 B 19840926; JP S58132082 A 19830806; NO 823470 L 19830420; ZA 826933 B 19830727

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EP 82109638 A 19821019; AU 8888182 A 19820930; BR 8206047 A 19821018; DK 462282 A 19821018; ES 516622 A 19821018; FI 823554 A 19821018; GB 8229699 A 19821018; GR 830169563 A 19830322; JP 18055182 A 19821014; NO 823470 A 19821018; ZA 826933 A 19820921