

Title (en)  
LUBRICANT COMPOSITIONS PROVIDING WEAR PROTECTION AT REDUCED PHOSPHORUS LEVELS

Publication  
**EP 0277729 B1 19920311 (EN)**

Application  
**EP 88300500 A 19880121**

Priority  
US 600487 A 19870121

Abstract (en)  
[origin: EP0277729A1] An additive composition suitable for blending passenger car and heavy duty oils comprising (a) zinc dialkyldithiophosphate having both primary and secondary character such the primary to secondary ratio is about 1:1 to about 5:1, said zinc dialkyldithiophosphate being present in an amount such that a lubricating oil containing an effective amount of the additive composition will have a phosphorus level not greater than about 0.1 wt%; (b) a succinimide dispersant; and (c) a total base number such that a lubricating oil containing an effective amount of the additive composition will have a TBN of at least 8.

IPC 1-7  
**C10M 163/00**; **C10N 10/04**; **C10N 30/06**; **C10N 40/00**; **C10N 60/14**

IPC 8 full level  
**C10M 163/00** (2006.01)

CPC (source: EP)  
**C10M 133/52** (2013.01); **C10M 137/10** (2013.01); **C10M 159/16** (2013.01); **C10M 159/22** (2013.01); **C10M 159/24** (2013.01); **C10M 163/00** (2013.01); **C10M 2207/028** (2013.01); **C10M 2207/262** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/042** (2013.01); **C10M 2215/064** (2013.01); **C10M 2215/086** (2013.01); **C10M 2215/24** (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/28** (2013.01); **C10M 2217/042** (2013.01); **C10M 2217/043** (2013.01); **C10M 2217/046** (2013.01); **C10M 2217/06** (2013.01); **C10M 2219/046** (2013.01); **C10M 2219/087** (2013.01); **C10M 2219/088** (2013.01); **C10M 2219/089** (2013.01); **C10M 2223/045** (2013.01); **C10M 2227/061** (2013.01); **C10N 2010/04** (2013.01); **C10N 2040/25** (2013.01); **C10N 2040/251** (2020.05); **C10N 2040/252** (2020.05); **C10N 2040/253** (2020.05); **C10N 2040/255** (2020.05); **C10N 2040/28** (2013.01)

Citation (examination)  
EP 0206748 A2 19861230 - CHEVRON RES [US]

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Designated contracting state (EPC)  
BE DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0277729 A1 19880810**; **EP 0277729 B1 19920311**; DE 3868949 D1 19920416

DOCDB simple family (application)  
**EP 88300500 A 19880121**; DE 3868949 T 19880121