

Title (en)  
BIODEGRADABLE LUBRICATING OIL COMPOSITION

Title (de)  
BIOLOGISCH ABBAUBARE SCHMIERÖLZUSAMMENSETZUNG

Title (fr)  
COMPOSITION D'HUILE LUBRIFIANTE BIODÉGRADABLE

Publication  
**EP 3263677 A1 20180103 (EN)**

Application  
**EP 16755611 A 20160225**

Priority  
• JP 2015039470 A 20150227  
• JP 2016055590 W 20160225

Abstract (en)  
The present invention provides a biodegradable lubricating oil composition containing 50% by mass or more of a synthetic ester base oil (A), 0.1 to 3% by mass of an amine-based antioxidant (B1), 0.1 to 3% by mass of a phenol-based antioxidant (B2), and 0.01 to 2% by mass of a sulfur-phosphorus-based extreme-pressure agent (C), wherein the transmittance at  $3,005 \pm 1 \text{ cm}^{-1}$  of a 0.1 mm-thick liquid film of the composition, as measured through IR absorptiometry, is 50% or more.

IPC 8 full level  
**C10M 169/04** (2006.01); **C10M 105/32** (2006.01); **C10M 105/38** (2006.01); **C10M 129/10** (2006.01); **C10M 129/76** (2006.01); **C10M 133/12** (2006.01); **C10M 137/10** (2006.01); **C10N 20/00** (2006.01); **C10N 30/00** (2006.01); **C10N 40/04** (2006.01); **C10N 40/06** (2006.01); **C10N 40/08** (2006.01); **C10N 40/26** (2006.01); **C10N 40/32** (2006.01)

CPC (source: EP US)  
**C10M 169/04** (2013.01 - EP US); **C10M 105/32** (2013.01 - EP US); **C10M 105/38** (2013.01 - EP US); **C10M 129/10** (2013.01 - EP US); **C10M 129/76** (2013.01 - EP US); **C10M 133/12** (2013.01 - EP US); **C10M 137/10** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/2805** (2013.01 - EP US); **C10M 2207/282** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2207/288** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2219/044** (2013.01 - EP US); **C10M 2223/00** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10M 2223/041** (2013.01 - EP US); **C10M 2223/047** (2013.01 - EP US); **C10M 2229/02** (2013.01 - EP US); **C10N 2020/00** (2013.01 - EP US); **C10N 2020/04** (2013.01 - EP US); **C10N 2020/065** (2020.05 - EP US); **C10N 2030/00** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/64** (2020.05 - EP US); **C10N 2040/08** (2013.01 - EP US)

Cited by  
CN108753426A; CN108587748A

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Designated extension state (EPC)  
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