

Title (en)  
MARINE ENGINE LUBRICATION

Title (de)  
SCHMIERUNG FÜR EINEN SCHIFFSMOTOR

Title (fr)  
LUBRIFICATION DE MOTEUR MARIN

Publication  
**EP 3029133 A1 20160608 (EN)**

Application  
**EP 15195322 A 20151119**

Priority  

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- EP 15195322 A 20151119

Abstract (en)  
A trunk piston marine engine lubricant comprises in respective minor amounts (A) an overbased metal hydrocarbyl-substituted hydroxybenzoate detergent system, and (B) a hydrocarbyl-substituted succinic acid anhydride, preferably made by halogen- or radical-assisted functionalization processes, where the ratio of succinic anhydride to hydrocarbyl chains is in the range of 1.4 to 4. The lubricant, when used to lubricate such an engine fuelled by heavy fuel oil, exhibits improved control of asphaltene precipitation and deposition on engine surfaces.

IPC 8 full level  
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Citation (applicant)  

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DOCDB simple family (publication)

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CA 2913603 C 20230103; CN 105670746 A 20160615; CN 115353926 A 20221118; ES 2620681 T3 20170629; JP 2016108565 A 20160620;  
JP 6777395 B2 20201028; KR 102481890 B1 20221228; KR 20160067774 A 20160614; SG 10201509951R A 20160728

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