

Title (en)
LUBRICATING COMPOSITIONS FOR TRANSMISSIONS

Title (de)
SCHMIERMITTELZUSAMMENSETZUNGEN FÜR GETRIEBE

Title (fr)
COMPOSITIONS LUBRIFIANTES POUR TRANSMISSIONS

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Application
EP 12809233 A 20121214

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Abstract (en)
[origin: WO2013087889A1] The present invention relates to a lubricating composition including one or more base oils, at least one dimercaptothiadiazole derivative, at least one ethylene and alphaolefin copolymer, and at least one amine thiophosphate. Said composition can be used for lubricating transmissions, such as gearboxes and axles, preferably the manual gearboxes of motor vehicles, and enables a reduction in the fuel consumption of vehicles, particularly of motor vehicles, due to the combination of the ethylene and alphaolefin copolymer, dimercaptothiadiazole derivative, and amine thiophosphate, which decreases the coefficient of friction of the lubricating composition.

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Citation (examination)
US 4101427 A 19780718 - SHAUB HAROLD

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DOCDB simple family (publication)
WO 2013087889 A1 20130620; AR 089276 A1 20140813; BR 112014014490 A2 20191001; BR 112014014490 A8 20170613; CA 2858927 A1 20130620; CN 104066827 A 20140924; CN 104066827 B 20161116; EP 2791294 A1 20141022; EP 2791294 B1 20200902; FR 2984348 A1 20130621; FR 2984348 B1 20150227; JP 2015500385 A 20150105; JP 6067027 B2 20170125; KR 101984065 B1 20190530; KR 20140110861 A 20140917; MX 2014007278 A 20140801; MX 343664 B 20161116; RU 2014124015 A 20160210; RU 2612803 C2 20170313; US 2015218481 A1 20150806; US 9334462 B2 20160510

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CN 201280061291 A 20121214; EP 12809233 A 20121214; FR 1161856 A 20111216; JP 2014546551 A 20121214;
KR 20147016039 A 20121214; MX 2014007278 A 20121214; RU 2014124015 A 20121214; US 201214364988 A 20121214