

Title (en)
LUBRICATING OIL COMPOSITION FOR AUTOMATIC TRANSMISSION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG FÜR AUTOMATIKGETRIEBE

Title (fr)
COMPOSITION D'HUILE DE GRAISSAGE CONÇUE POUR UNE TRANSMISSION AUTOMATIQUE

Publication
EP 1422287 B1 20160217 (EN)

Application
EP 02746088 A 20020716

Priority
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Abstract (en)
[origin: EP1422287A1] A lubricating oil composition for automatic transmissions wherein the mass ratio of phosphorus : calcium : boron : sulfur determined by elemental analysis is 1 : (0.1 to 2) : (0.06 to 2) : (0.2 to 20), the concentration of phosphorus is from 0.01 to 0.06 percent by mass, the concentration of the sulfur derived from a base oil is from 0 to 0.1 percent by mass, and the concentration of the sulfur derived from sulfur-based additives is from 0.01 to 0.15 percent by mass, based on the total amount of the composition. The lubricating oil composition can prevent the occurrence of scratch phenomenon even over a long period of time when used in a metal belt type continuously variable automatic transmission.

IPC 8 full level
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CPC (source: EP US)
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Citation (opposition)
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• FIRST DECLARATION OF DR. T. HENLY
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WO 03020858 A1 20030313

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