

Title (en)

Use of Lubricating Oil for Reducing Fuel Consumption

Title (de)

Verwendung Schmieröls zur Reduzierung des Kraftstoffverbrauchs

Title (fr)

L'utilisé d'huile lubrificante pour réduire la consommation de carburante

Publication

**EP 1558715 B1 20121226 (EN)**

Application

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Priority

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- IT MI20022322 A 20021031

Abstract (en)

[origin: WO2004039928A1] Lubricating compositions are described, which are capable of guaranteeing an improvement in the fuel economy performances of internal combustion engines, also without resorting to specific additives conventionally known as friction modifiers or reducers. The above compositions envisage the presence of particular deterging additives selected from the group of sulfophenates and particular anti-wear additives having the general formula  $ZnP_2S_4O_4R_4$ . The above lubricating compositions have been conventionally identified on the basis of friction coefficient measurements under suitable kinematic conditions which are such as to reproduce "hydrodynamic", "elasto-hydrodynamic", "mixed" and "boundary" lubrication situations. The efficacy of the compositions of the present invention in terms of fuel economy has been demonstrated by engine tests according to engine oil qualification standards.

IPC 8 full level

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