

## Title (en)

LUBRICANT BASE OIL COMPOSITIONS OF MONO-UNSATURATED DIBASIC ACID ESTERS WITH BRANCHED ALCOHOLS

## Title (de)

SCHMIERMITTELGRUNDÖLZUSAMMENSETZUNGEN VON MONOUNGESÄTTIGTEN ZWEIBASIGEN SÄUREESTERN MIT VERZWEIGTEN ALKOHOLEN

## Title (fr)

COMPOSITIONS D'HUILE DE BASE LUBRIFIANTE D'ESTERS D'ACIDE DIBASIQUE MONO-INSATURÉ COMPRENANT DES ALCOOLS RAMIFIÉS

## Publication

EP 3483233 A1 20190515 (EN)

## Application

EP 17200996 A 20171110

## Priority

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## Abstract (en)

The present invention relates to the use of a composition of dibasic esters of monounsaturated linear  $\pm$ ,  $\acute{E}$ -diacids as a lubricant constituent, said composition comprising from 60 to 100% by weight: according to option a) of at least one monounsaturated  $\pm$ - $\acute{E}$  dibasic ester compound of Formula (I) : ##### R1-OOC-(CH<sub>2</sub>)<sub>x</sub>-CH=CH-(CH<sub>2</sub>)<sub>y</sub>-COO-R2 with x + y being an integer in the range from 10 to 22, and with R1 and R2 being identical or different and being selected from the residues of branched alcohols with at least 5 carbon atoms (in C<sub>5</sub>) with said branched alcohols being either saturated or mono unsaturated and bearing at least one branch in C<sub>1</sub> to C<sub>6</sub> or according to option b) of a mixture comprising : b1) at least one monounsaturated  $\pm$ - $\acute{E}$  dibasic ester compound of Formula (I) as defined above in option a) and b2) at least one monounsaturated  $\pm$ - $\acute{E}$  dibasic ester compound of Formula (II) : ##### R'1-OOC-(CH<sub>2</sub>)<sub>x</sub>-CH=CH-(CH<sub>2</sub>)<sub>y</sub>-COO-R'2 (II) with x + y being as defined in Formula (I) above ; and with R'1 and R'2 being identical or different and selected from the residues of methanol or ethanol, said composition having a weight content in estolides of the corresponding mono unsaturated acids of less than 1% w/w. The invention further relates to a lubricant composition issued from said use and its use in transport, agriculture, food and industrial applications.

## IPC 8 full level

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