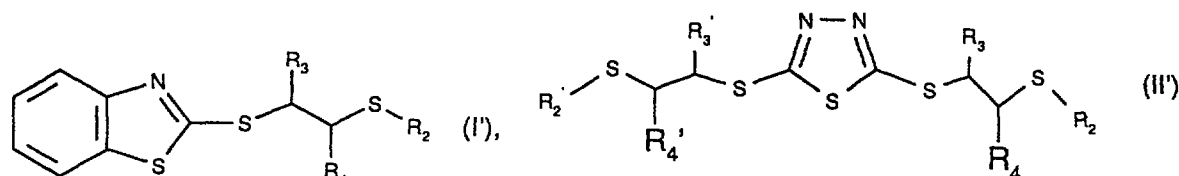


Abstract of the Disclosure

This invention relates to compounds which are suitable as ash-free antiwear additives and antioxidants, to lubricant compositions comprising said compounds as well as to their use.

Compounds of formulae



are particularly preferred.

In the preferred compounds I',

R₂ is isooctyloxycarbonylmethyl, R₃ is isooctyloxycarbonylmethylthiomethyl and R₄ is hydrogen; or

R₂ is tert-nonyl and R₃ is tert-nonylthiomethyl and R₄ is hydrogen; or

R₂ is isooctyloxycarbonylmethyl, R₃ is hydrogen and R₄ is isooctyloxycarbonylmethylthiomethyl; or

R₂ is tert-nonyl, R₃ is hydrogen and R₄ is tert-nonylthiomethyl.

In the preferred compounds II',

R₂ and R₂' are isooctyloxycarbonylmethyl, R₃ and R₃' are isooctyloxycarbonylmethylthiomethyl and R₄ and R₄' are hydrogen; or

R₂ and R₂' are tert-nonyl, R₃ and R₃' are tert-nonylthiomethyl and R₄ and R₄' are hydrogen; or

R₂ and R₂' are isooctyloxycarbonylmethyl, R₃ and R₃' are hydrogen and R₄ and R₄' are isooctyloxycarbonylmethylthio; or

R₂ and R₂' are tert-nonyl, R₃ and R₃' are hydrogen and R₄ and R₄' are tert-nonylthiomethyl.

