~~CLAIMS~~ New set of claims

1. ~~Fuel composition~~ Gasoline useful for internal combustion engine having an Octane Number from 95 to 105 comprising:

(a) an unleaded and devoid of organometal compounds base gasoline having an Octane Number (RON) from 90.1 to 103:

(b) one or more aromatic amines selected in the group consisting of:

(b1) 2,4-dialkylaniline, wherein the alkyl groups in position 2 and 4, independently one from the other, are selected in the group consisting of methyl, ethyl, n-propyl, iso-propyl;

(b2) N-Nitrosodiphenylamine;

wherein the aromatic amines are present in a quantity from 0.05% by weight to 5.0% by weight with reference to the base gasoline, preferably from 0.1% to 5.0% by weight.

2. ~~Composition~~ Gasoline according to claim 1, wherein the alkyl groups of 2,4-dialkylaniline are both methyl groups.

~~3. Composition according to claim 1, wherein the aromatic amines (b1) and/or (b2) are present in such quantity to increase the base gasoline octane number of at least 0,2 RON points.~~

~~4. Composition according to claim 1, wherein the aromatic amines are present in a quantity from 0.05% by weight to 5.0% by weight with reference to the base gasoline, preferably from 0.1% to 5.0% by weight.~~

~~5.~~ 3. ~~Composition~~ Gasoline according to claim 1, wherein the base gasoline comprises hydrocarbon fractions selected from:

Butane gas (mainly containing hydrocarbons having 4 carbon atoms);

Light gasoline from the first distillation (light naphtha);

Isomerate gasoline C5;

Isomerate gasoline C6;

Reformed gasoline (at a different severity grade in relation to the characteristics of the final gasoline;

Gasoline from alkylation process;

Light gasoline from cracking process;

Gasoline from the first distillation (full range naphtha);

Natural gasoline (Condensate).

~~6.~~ 4. ~~Composition~~ Gasoline according to claim 1, wherein the base gasoline contains ethers, preferably MTBE.

~~7.~~ 5. Process for obtaining a ~~fuel composition~~ gasoline useful for internal combustion engine having an octane number from 95 to 105 comprising the addition to an unleaded and devoid of organometal compounds base gasoline having an octane number (RON) from 90.1 to 103 of one or more aromatic amines selected from the group consisting of:

(b1) 2,4-dialkylaniline, wherein the alkyl groups in position 2 and 4, independently one from the other, are selected from the group consisting of methyl, ethyl, n-propyl, iso-propyl;

(b2) N-Nitrosodiphenylamine;

said aromatic amines being present in a quantity from 0.05% by weight to 5.0% by weight with reference to the base gasoline, preferably from 0.1% to 5.0% by weight.

~~8.~~ 6. Use of aromatic amines selected from the group consisting of:

(b1) 2,4-dialkylaniline, wherein the alkyl groups in position 2 and 4, independently one from the other, are selected in the group consisting of methyl, ethyl, n-propyl, iso-propyl,

(b2) N-Nitrosodiphenylamine,

~~for increasing the Octane Number of base gasolines selected from the group consisting of:~~

~~(a1) base gasolines having a low Octane Number, i.e. having an Octane Number from 63 to 90;~~

~~(a2) base gasolines having a high octane number, i.e. having an Octane Number from 90.1 to 94.9;~~

~~the amines (b1) and/or (b2) being present in such a quantity to increase the Octane Number of~~

~~at least 0.2 points RON in the case of base gasolines having a high Octane Number,~~

~~at least 1.0 points RON in the case of base gasolines having a low Octane Number~~

for increasing the Octane Number of base gasolines selected from the group consisting of base gasolines having an Octane Number from 90.1 to 94.9;

the amines (b1) and/or (b2) being present in such a quantity to increase the Octane Number of at least 0.2 points RON, said quantity being from 0.05% by weight to 5.0% by weight with reference to the base gasoline, preferably from 0.1% to 5.0% by weight.