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(74) Agents: **DE GREGORI, Antonella** et al.; Ing. Barzano
& Zanardo, Milano S.p.A., Via Borgonuovo, 10, I-20121
Milan (IT).

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(71) Applicant (for all designated States except US): **SNAM-
PROGETTI S.p.A.** [IT/IT]; Viale de Gasperi, 16, I-20097
San Donato Milanese (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CATANI, Roberto**
[IT/IT]; Via San Venerio 5/D, I-20097 San Donato Mi-
lanese (IT). **DI GIROLAMO, Marco** [IT/IT]; Via I°
Maggio 7/N, I-20097 San Donato Milanese (IT). **CONTE,**
Massimo [IT/IT]; Via Cupello 9B, I-20097 San Donato
Milanese (IT). **GUSBERTI, Ambrogio** [IT/IT]; Via Verdi
36, I-27039 Sannazzaro De' Burgundi (IT).

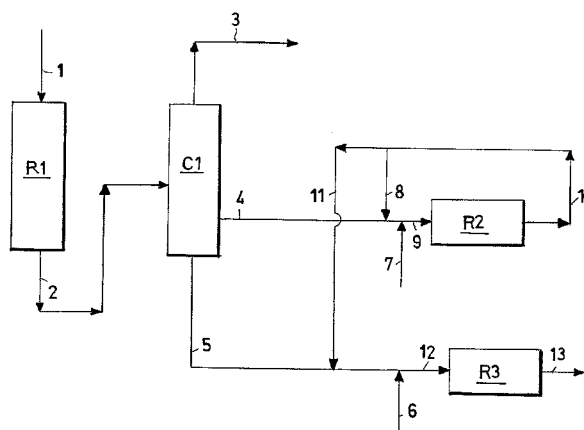
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(54) Title: PROCESS FOR THE PRODUCTION OF HYDROCARBON BLENDS WITH A HIGH OCTANE NUMBER BY THE HYDROGENATION OF HYDROCARBON BLENDS CONTAINING BRANCHED OLEFINIC CUTS



(57) Abstract: Process for the production of hydrocarbon blends with a high octane number by the hydrogenation of hydrocarbon blends, containing branched C₈, C₁₂ and C₁₆ olefinic cuts, characterized by sending said blends, as such or fractionated into two streams, one substantially containing the branched C₈ olefinic cut, the other substantially containing the branched C₁₂ and C₁₆ olefinic cuts, to a single hydrogenation zone or to two hydrogenation zones in parallel, respectively, only the stream substantially containing saturated C₈ hydrocarbons, obtained by the fractionation of the stream produced by the single hydrogenation zone or obtained by the hydrogenation zone fed by the fractionated stream substantially containing the branched C₈ olefinic cut, being at least partly recycled to the single hydrogenation zone or to the hydrogenation zone fed by the fractionated stream substantially containing the branched C₈ olefinic cut, and the hydrocarbon blend with a high octane number, obtained by the fractionation of the stream produced from the single hydrogenation zone or obtained from the hydrogenation zone, being fed by the fractionated stream substantially containing the branched C₁₂ and C₁₆ olefinic cuts.

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