



Office de la Propriété
Intellectuelle
du Canada

Un organisme
d'Industrie Canada

Canadian
Intellectual Property
Office

An agency of
Industry Canada

CA 2043189 C 2001/09/11

(11)(21) **2 043 189**

(12) **BREVET CANADIEN
CANADIAN PATENT**

(13) **C**

(22) Date de dépôt/Filing Date: 1991/05/24

(41) Mise à la disp. pub./Open to Public Insp.: 1991/12/19

(45) Date de délivrance/Issue Date: 2001/09/11

(30) Priorité/Priority: 1990/06/18 (9013565.8) GB

(51) Cl.Int.⁵/Int.Cl.⁵ C07C 5/27, C10G 7/00, C07C 9/00

(72) Inventeurs/Inventors:
Den Otter, Gerrit J., NL;
Maxwell, Ian E., NL

(73) Propriétaire/Owner:
SHELL CANADA LIMITED, CA

(74) Agent: SMART & BIGGAR

(54) Titre : PROCEDE DE RAFFINAGE DE PETROLE

(54) Title: PROCESS FOR PRODUCING GASOLINE COMPONENTS

(57) **Abrégé/Abstract:**

Process for producing gasoline components from a hydrocarbonaceous feed containing hydrocarbons comprising at least 4 carbon atoms, and hydrocarbons obtained thereby. The process comprises the following steps: a) separating feed into a heavy fraction containing hydrocarbons comprising at least 7 carbon atoms, an intermediate fraction containing mainly hydrocarbons comprising 6 or 7 carbon atoms, and a light fraction containing hydrocarbons comprising at most 6 carbon atoms, b) isomerizing at least part of the light fraction, c) combining effluent of step b) with intermediate fraction, and separating off a stream containing normal hydrocarbons and a stream containing branched hydrocarbons, and d) passing at least part of the stream containing normal hydrocarbons to isomerization step b).



A B S T R A C T

PROCESS FOR PRODUCING GASOLINE COMPONENTS

Process for producing gasoline components from a hydrocarbonaceous feed containing hydrocarbons comprising at least 4 carbon atoms, and hydrocarbons obtained thereby. The process comprises the following steps:

- a) separating feed into a heavy fraction containing hydrocarbons comprising at least 7 carbon atoms, an intermediate fraction containing mainly hydrocarbons comprising 6 or 7 carbon atoms, and a light fraction containing hydrocarbons comprising at most 6 carbon atoms,
- b) isomerizing at least part of the light fraction,
- c) combining effluent of step b) with intermediate fraction, and separating off a stream containing normal hydrocarbons and a stream containing branched hydrocarbons, and
- d) passing at least part of the stream containing normal hydrocarbons to isomerization step b).

