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- (81) 指定国 (除另有指明, 要求每一种可提供的国家保
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根据细则 4.17 的声明:

- 发明人资格(细则 4.17(iv))

本国际公布:

- 包括国际检索报告(条约第 21 条(3))。

(54) Title: METHOD FOR JOINT PRODUCTION OF LOW OCTANE NUMBER GASOLINE AND HIGH OCTANE NUMBER GASOLINE

(54) 发明名称: 一种联合生产低辛烷值汽油和高辛烷值汽油的方法

(57) Abstract: A method for joint production of low octane number gasoline and high octane number gasoline. During oil rectification or light oil rectification, distillation points of distillates are finely divided, and temperature interval for extraction of fractions is shortened, high content of low octane number components and high content of high octane number components in C6-C12 (which may be extended to C5-C14, if necessary) are respectively extracted, and then the low octane number components are combined into a compression-ignition gasoline product with a low octane number, and the high octane number components are combined into a gasoline product with a high octane number. The remaining fractions are respectively added to the gasoline product with a low octane number or the gasoline product with a high octane number according to the octane number. The gasoline product with a low octane number is used in a compression-ignition gasoline engine, and the gasoline product with a high octane number is used in a spark ignition gasoline engine.

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WO 2012/065364 A1



(57) 摘要:

一种联合生产低辛烷值汽油和高辛烷值汽油的方法，在石油精馏或者石油轻油精馏的过程中，细分馏出液的提取点，缩小馏分提取温度区间，把 C6-C12（必要时可扩展到 C5-C14）中含量高的低辛烷值的组分与含量高的高辛烷值的组分逐一提取出来，然后把低辛烷值的组分组合成压燃式低辛烷值汽油产品，把高辛烷值组分组合成高辛烷值汽油产品。剩余的各个馏分，按照其辛烷值的高低分别补充进入低辛烷值汽油或者进入高辛烷值汽油。低辛烷值汽油用于压燃式汽油发动机，高辛烷值汽油用于点燃式汽油发动机。