

Title (en)

Process for the production of gasoline from syngas using a catalyst including a step for regeneration of the catalyst

Title (de)

Verfahren zur Herstellung von Benzin aus Synthesegas mit einem Schritt der Regeneration von Katalysator

Title (fr)

Procédé de production d'essence à partir du gaz de synthèse comprenant une étape de régénération de catalyseur

Publication

**EP 1657290 B1 20100526 (EN)**

Application

**EP 04105668 A 20041110**

Priority

EP 04105668 A 20041110

Abstract (en)

[origin: EP1657290A1] The present invention relates to a new and advantageous catalyst for use during a single-stage gasoline production process from syngas and a process making use of the same. During the process according to the invention, the catalyst can be recycled in an easy manner without stopping the process. Such a process is more economic and still further leads to constant octane numbers of the product at values of about 95. The new process prevents the catalyst from deactivation and increases its capacity, resulting in better conversion rates, becoming even better after each recycling step. Also, with the process according to the invention the catalyst's lifetime is significantly prolonged, making the whole process more economic.

IPC 8 full level

**C07C 1/04** (2006.01); **C10G 2/00** (2006.01)

CPC (source: EP)

**C10G 2/332** (2013.01); **C10G 2/334** (2013.01)

Cited by

CN102215954A; EP2352587A4; AU2009316748B2; EP3280529A4; US2009298678A1; EP2192981A4; EP2282833A4; EP3103549A1; CN106693969A; US8445550B2; US10086365B2; WO2013093428A1; WO2013089827A1; WO2013093423A1; WO2020105498A1; US7943674B1; US10589257B2

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