

Title (en)

USE OF A CATALYST IN A METHOD FOR THE PRODUCTION OF LIGHT OLEFINS IN A CATALYTIC CRACKING UNIT WITH ENERGY DEFICIENCY TO MAXIMISE THE YIELD OF PROPYLENE AND ETHYLENE AND TO MINIMISE THE ENERGY DEFICIENCY

Title (de)

VERWENDUNG EINES KATALYSATORS IN EINEM VERFAHREN ZUR HERSTELLUNG VON LEICHTEN OLEFINEN IN KATALYTISCHEN WIRBELSCHICHTSPALTUNGSANLAGEN MIT ENERGIEMANGEL ZUR MAXIMIERUNG DER ETHYLEN- UND PROPYLEN PRODUKTION UND ZUR MINIMIERUNG DER ENERGIEMANGEL

Title (fr)

UTILISATION D'UN CATALYSEUR DANS UN PROCÉDÉ DE PRODUCTION D'OLÉFINES LÉGÈRES DANS UNE UNITÉ DE CRAQUAGE CATALYTIQUE DE FLUIDE À UNE DÉFICIENCE EN ÉNERGIE AFIN DE MAXIMISER LA PRODUCTION DE ÉTHYLÈNE ET DE PROPYLÈNE ET DE MINIMISER LA DÉFICIENCE EN ÉNERGIE

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Application

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Abstract (en)

[origin: WO2010023456A1] The present invention relates to a method of production of light olefins, with the objective of maximizing the production of propylene and in particular ethylene by the use of a special catalyst containing high-silica zeolite, whose composition also includes a dehydrogenating metal, so as to generate light olefins and appreciable deposition of coke on the catalyst. Gains in selectivity for light olefins are observed, and at the same time the energy deficiency of catalytic cracking in petrochemical operations with light hydrocarbons is minimized, avoiding problems due to the need to burn heating oil in the catalyst regenerating section to make up for the energy deficit of the converter.

IPC 8 full level

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CPC (source: EP US)

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Cited by

US9447332B2; US8895790B2; US9212318B2; US9428695B2

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