

Title (en)

SYSTEM AND METHOD FOR PRODUCING SUPERIOR HYDROCARBONS FROM METHANE

Title (de)

ANLAGE UND VERFAHREN ZUR HERSTELLUNG VON HÖHERWERTIGEN KOHLENWASSERSTOFFEN AUS METHAN

Title (fr)

INSTALLATION ET PROCÉDÉ DE PRODUCTION D'HYDROCARBURES DE QUALITÉ SUPÉRIEURE À PARTIR DE MÉTHANE

Publication

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Application

EP 10718186 A 20100510

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Abstract (en)

[origin: WO2010133461A1] The present invention relates to a method for producing hydrocarbons from methane, characterized in that in a first step (i) methane is reacted to give ethylene and in a later step (ii) the product mixture obtained in step (i) containing ethylene and methane is reacted to give superior hydrocarbons. The present invention further relates to a system for producing hydrocarbons from methane, characterized in that several system units are arranged one after the other in a row in a single system line, comprising: - a first reactor A for carrying out a reaction from methane to ethylene - a second reactor B for carrying out a reaction from ethylene to superior hydrocarbons.

IPC 8 full level

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CPC (source: EP US)

C07C 2/64 (2013.01 - EP US); **C07C 2/84** (2013.01 - EP US); **C07C 15/073** (2013.01 - EP US); **C07C 17/02** (2013.01 - EP US); **C07C 17/08** (2013.01 - EP US); **C07C 17/10** (2013.01 - EP US); **C07C 29/04** (2013.01 - EP US); **C07C 45/34** (2013.01 - EP US); **C07C 45/50** (2013.01 - EP US); **C07C 67/05** (2013.01 - EP US); **C07D 301/03** (2013.01 - EP US); **B01D 53/047** (2013.01 - EP US); **B01D 2256/24** (2013.01 - EP US); **B01D 2257/504** (2013.01 - EP US); **B01D 2257/7022** (2013.01 - EP US); **B01J 2219/0004** (2013.01 - EP US); **C07C 2521/04** (2013.01 - EP US); **C07C 2521/08** (2013.01 - EP US); **C07C 2523/02** (2013.01 - EP US); **C07C 2523/04** (2013.01 - EP US); **C07C 2523/08** (2013.01 - EP US); **C07C 2523/10** (2013.01 - EP US); **C07C 2523/30** (2013.01 - EP US); **C07C 2523/34** (2013.01 - EP US); **C07C 2523/745** (2013.01 - EP US); **Y02P 20/151** (2015.11 - EP US); **Y02P 20/50** (2015.11 - EP US)

C-Set (source: EP US)

1. **C07C 2/64 + C07C 15/073**
2. **C07C 67/05 + C07C 69/15**
3. **C07C 2/84 + C07C 11/04**
4. **C07C 17/02 + C07C 19/045**
5. **C07C 17/08 + C07C 19/043**
6. **C07C 17/10 + C07C 21/06**
7. **C07C 29/04 + C07C 31/08**
8. **C07C 45/34 + C07C 47/06**
9. **C07C 45/50 + C07C 47/02**
10. **C07C 67/05 + C07C 69/01**

Citation (search report)

See references of WO 2010133461A1

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