

Title (en)

Integrated catalytic cracking and olefin producing process.

Title (de)

Integriertes katalytisches Crack- und Olefinen Herstellungsverfahren.

Title (fr)

Procédé intégré de craquage catalytique et de production d'oléfines.

Publication

**EP 0654520 A1 19950524 (EN)**

Application

**EP 94308423 A 19941115**

Priority

US 15482993 A 19931119

Abstract (en)

A combined catalytic cracking and olefin production process uses a coked catalytic cracking catalyst as a dehydrogenation catalyst to dehydrogenate an alkane feed and form an olefin rich product. The method uses a plug flow regeneration system to form the dehydrogenation catalyst and to fully reactivate cracking catalyst for reuse in the cracking reaction. The catalyst preferably comprises a crystalline tetrahedral framework oxide component.

IPC 1-7

**C10G 11/18**; **C10G 57/00**

IPC 8 full level

**C10G 11/18** (2006.01); **C10G 57/00** (2006.01)

CPC (source: EP)

**C10G 11/18** (2013.01); **C10G 2400/20** (2013.01)

Citation (search report)

- [A] EP 0325437 A2 19890726 - MOBIL OIL CORP [US]
- [DA] EP 0259156 A1 19880309 - MOBIL OIL CORP [US]
- [A] US 3894935 A 19750715 - OWEN HARTLEY
- [A] US 4968401 A 19901106 - HARANDI MOHSEN N [US], et al
- [A] EP 0168185 A2 19860115 - EXXON RESEARCH ENGINEERING CO [US]
- [PA] EP 0577280 A1 19940105 - EXXON RESEARCH ENGINEERING CO [US]

Designated contracting state (EPC)

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**EP 0654520 A1 19950524**; **EP 0654520 B1 19990804**; CA 2135102 A1 19950520; CA 2135102 C 20040525; DE 69419872 D1 19990909; DE 69419872 T2 20000420

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