

Title (en)
PROCESS FOR CONVERTING HYDROCARBON FEEDSTOCKS WITH ELECTROLYTIC RECOVERY OF HALOGEN

Title (de)
VERFAHREN ZUR UMWANDLUNG VON KOHLENWASSERSTOFFROHMATERIAL MIT ELEKTROLYTISCHER RÜCKGEWINNUNG VON HALOGEN

Title (fr)
PROCÉDÉ DE CONVERSION DE MATIÈRES PREMIÈRES D'HYDROCARBURES AVEC RÉCUPÉRATION ÉLECTROLYTIQUE D'HALOGÈNE

Publication
EP 2148942 A4 20111109 (EN)

Application
EP 08754498 A 20080514

Priority
• US 2008006244 W 20080514
• US 93022007 P 20070514

Abstract (en)
[origin: WO2008143940A2] An improved continuous process for converting methane, natural gas, and other hydrocarbon feedstocks into one or more higher hydrocarbons, methanol, amines, or other products comprises continuously cycling through hydrocarbon halogenation, product formation, product separation, and electrolytic regeneration of halogen, optionally using an improved electrolytic cell equipped with an oxygen depolarized cathode.

IPC 8 full level
C25B 3/00 (2006.01); **C07B 37/00** (2006.01); **C07C 1/30** (2006.01); **C07C 2/00** (2006.01); **C07C 11/02** (2006.01); **C07C 29/124** (2006.01); **C07C 209/08** (2006.01); **C10B 53/04** (2006.01); **C10B 57/06** (2006.01); **C10G 50/00** (2006.01); **C25B 1/04** (2006.01); **C25B 1/24** (2006.01); **C25B 3/06** (2006.01)

CPC (source: EP KR US)
C07C 1/26 (2013.01 - EP); **C07C 1/30** (2013.01 - KR US); **C07C 11/02** (2013.01 - KR US); **C07C 17/06** (2013.01 - EP); **C07C 29/124** (2013.01 - EP KR); **C07C 209/08** (2013.01 - EP KR); **C10B 53/04** (2013.01 - EP KR US); **C10B 57/06** (2013.01 - EP KR US); **C10G 29/02** (2013.01 - EP KR US); **C10K 3/00** (2013.01 - KR); **C25B 1/04** (2013.01 - EP US); **C25B 1/24** (2013.01 - EP KR US); **C25B 3/27** (2021.01 - KR); **C10G 2300/1011** (2013.01 - EP KR US); **C10G 2300/1025** (2013.01 - EP KR US); **C10G 2400/30** (2013.01 - EP KR US); **H01L 2924/014** (2013.01 - EP KR US); **Y02E 60/36** (2013.01 - EP US); **Y02P 20/145** (2015.11 - EP US)

C-Set (source: EP US)
EP
1. **C07C 1/26 + C07C 11/02**
2. **C07C 29/124 + C07C 31/04**
3. **C07C 1/26 + C07C 11/04**
4. **C07C 1/26 + C07C 11/06**
5. **C07C 209/08 + C07C 211/03**
6. **C07C 17/06 + C07C 19/075**
US
C07C 1/30 + C07C 11/02

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• See references of WO 2008143940A2

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US 2008006244 W 20080514; AP 2009005040 A 20080514; AU 2008254937 A 20080514; BR PI0811606 A 20080514; CA 2684765 A 20080514; CN 200880016076 A 20080514; CO 09129699 A 20091113; EA 200970960 A 20080514; EA 201200888 A 20080514; EC SP099732 A 20091113; EP 08754498 A 20080514; IN 7232DEN2009 A 20091109; JP 2010508428 A 20080514; KR 20097025908 A 20080514; MX 2009012353 A 20080514; NO 20093337 A 20091113; NZ 58099608 A 20080514; TN 2009000480 A 20091110; US 15251508 A 20080514; ZA 200907775 A 20091105