

Title (en)

PRODUCT STREAM PROCESSING METHODS, PRODUCT STREAM PROCESSING SYSTEMS, AND MIXTURES

Title (de)

PRODUKTSTROMVERARBEITUNGSMETHODEN, PRODUKTSTROMVERARBEITUNGSSYSTEME UND MISCHUNGEN

Title (fr)

PROCEDES ET SYSTEMES DE TRAITEMENT DE FLUX DE PRODUITS, ET MELANGES ASSOCIES

Publication

EP 1725511 A4 20071114 (EN)

Application

EP 04704095 A 20040121

Priority

US 2004001686 W 20040121

Abstract (en)

[origin: WO2005080303A1] Product stream processing methods, systems, and mixtures are provided. A reaction product stream can have a first amount of a halogen exchange by product and an azeotropic composition of a halogen exchange reaction product and a halogen donating reactant. A majority of the halogen exchange by-product from the reaction product stream can be removed to produce a mixture. The mixture can include the halogen exchange reaction product, the halogen donating reactant, and a second amount of the halogen exchange by-product that is less than the first amount of the halogen donating reactant. A majority of the halogen exchange reaction product containing less than the azeotropic amount of the halogen donating reactant can be removed from the mixture. Exemplary halogen exchange reaction product, halogen donating reactant and halogen exchange by-product are CH₂F₂, HF, and HCl respectively.

IPC 8 full level

C07C 21/18 (2006.01); **C07C 17/20** (2006.01); **C07C 17/38** (2006.01); **C07C 17/383** (2006.01); **C07C 19/08** (2006.01)

CPC (source: EP)

C07C 17/206 (2013.01); **C07C 17/38** (2013.01); **C07C 17/383** (2013.01); **C07C 19/08** (2013.01)

Citation (search report)

- [A] DATABASE WPI Week 199442, Derwent World Patents Index; AN 1994-338218, XP002453604
- See references of WO 2005080303A1

Citation (examination)

EP 0876314 B1 20030226 - DU PONT [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005080303 A1 20050901; CN 1946659 A 20070411; EP 1725511 A1 20061129; EP 1725511 A4 20071114

DOCDB simple family (application)

US 2004001686 W 20040121; CN 200480040657 A 20040121; EP 04704095 A 20040121