

Title (en)  
PROCESSES FOR THE ISOMERIZATION OF NORMAL BUTANE TO ISOBUTANE

Title (de)  
VERFAHREN ZUR ISOMERISIERUNG VON NORMALBUTAN ZU ISOBUTAN

Title (fr)  
PROCEDES D'ISOMERISATION DE BUTANE NORMAL EN ISOBUTANE

Publication  
**EP 1856016 A1 20071121 (EN)**

Application  
**EP 06738661 A 20060310**

Priority  
• US 2006009627 W 20060310  
• US 66114305 P 20050311

Abstract (en)  
[origin: WO2006099566A1] In a normal butane isomerization process where the isomerization effluent (108, 114) is fractionated in a deisobutanizer (116) operated such that a lower boiling fraction (118) is provided containing at least 80 mass-% isobutane and a higher boiling fraction (122) containing normal butane and at least 10 mass-% isobutane. The higher boiling fraction (122) is contacted with a selectively permeable membrane (124) to provide a permeate (126) containing normal butane-containing and a retentate (128) containing at least 80 mass-% isobutane. The preferred membranes are sieving membranes having a C<SUB>4</SUB> Permeate Flow Index of at least 0.01 and a C<SUB>4</SUB> Permeate Flow Ratio of at least 1.25:1.

IPC 8 full level  
**C07C 5/27** (2006.01); **B01D 61/14** (2006.01); **B01D 61/36** (2006.01); **C07C 7/144** (2006.01); **C07C 9/12** (2006.01)

CPC (source: EP KR US)  
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