

Title (en)
METHOD FOR THE HYDROCYANATION OF 1,3-BUTADIENE

Title (de)
VERFAHREN ZUR HYDROCYANIERUNG VON 1,3-BUTADIEN

Title (fr)
PROCEDE D'HYDROCYANATION DE 1,3 -BUTADIENE

Publication
EP 1716107 A1 20061102 (DE)

Application
EP 05715210 A 20050126

Priority
• EP 2005000725 W 20050126
• DE 102004004672 A 20040129

Abstract (en)
[origin: WO2005073169A1] A method for the production of 3-pentenenitrile by hydrocyanation of 1,3-butadiene in the presence of at least one catalyst, whereby 1,3-butadiene which has not been hydrocyanated is removed from the product from hydrocyanation and recycled into the process and the recycled 1,3-butadiene is monitored for hydrogen cyanide content.

IPC 8 full level
C07C 253/10 (2006.01); **C07C 255/07** (2006.01)

CPC (source: EP KR US)
C07C 253/10 (2013.01 - EP KR US); **C07C 253/32** (2013.01 - KR); **C07C 255/07** (2013.01 - KR); **Y10T 436/172307** (2015.01 - EP US)

Citation (search report)
See references of WO 2005073169A1

Cited by
US9040733B2; US9040734B2; US9045391B2; US9051241B2; US9051242B2; US9133107B2; US9133108B2; US9169197B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2005073169 A1 20050811; AR 047186 A1 20060111; BR PI0506574 A 20070410; CA 2553241 A1 20050811; CN 100513388 C 20090715; CN 1914156 A 20070214; DE 102004004672 A1 20050818; EP 1716107 A1 20061102; JP 2007519666 A 20070719; JP 4443573 B2 20100331; KR 20070011283 A 20070124; TW 200538428 A 20051201; US 2008227214 A1 20080918

DOCDB simple family (application)
EP 2005000725 W 20050126; AR P050100164 A 20050117; BR PI0506574 A 20050126; CA 2553241 A 20050126; CN 200580003641 A 20050126; DE 102004004672 A 20040129; EP 05715210 A 20050126; JP 2006550082 A 20050126; KR 20067015350 A 20060728; TW 94102237 A 20050126; US 58647305 A 20050126