

Title (en)  
PROCESS FOR PRODUCING PENTENE-NITRILES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON PENTENNITRILEN

Title (fr)  
PROCEDE DE PREPARATION DE PENTENE-NITRILES

Publication  
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Application  
**EP 95942243 A 19951212**

Priority  
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Abstract (en)  
[origin: WO9619439A1] The present invention relates to a process for producing pentene-nitriles. The pentene-nitriles, more particularly 3-pentene-nitrile and 4-pentene-nitrile, may give adiponitrile by reaction with hydrogen cyanide. More particularly, the invention relates to a process for preparing pentene-nitriles by implementing in vapor phase 2-methylglutarimide or ethylsuccinimide in the presence of a solid acid catalyst. 2-methylglutarimide may be implemented directly or in the form of one of the precursors thereof, such as particularly 4-cyanovaleramide, 2-methyl 4-cyanobutyramide, 4-cyanovaleric acid, 2-methyl 4-cyanobutyric acid. Likewise, ethylsuccinimide may be implemented directly or in the form of one of the precursors thereof, such as particularly 3-cyanovaleramide, 2-ethyl 3-cyanopropionamide, 3-cyanovaleric acid, 2-ethyl 3-cyanopropionic acid.

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