

Title (en)  
CATALYST AND PROCESS FOR THE CYANATION OF ALDEHYDES

Title (de)  
KATALYSATOR UND PROZESS ZUR CYANIERUNG VON ALDEHYDEN

Title (fr)  
CATALYSEUR ET PROCEDE DE CYANATION D'ALDEHYDES

Publication  
**EP 1511565 A2 20050309 (EN)**

Application  
**EP 03730328 A 20030522**

Priority

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Abstract (en)  
[origin: WO03099435A2] A vanadium catalyst and a process for cyanating an aldehyde are provided. The vanadium catalyst comprises a Vanadium(V) salen complex. The process comprises reacting the aldehyde with: i) a cyanide source which does not comprise a Si-CN bond or a C-(C=O)-CN moiety; and ii) a substrate susceptible to nucleophilic attack not comprising a halogen leaving group; in the presence of a chiral vanadium catalyst. The cyanide source is preferably an alkali metal cyanide and the substrate susceptible to nucleophilic attack not comprising a halogen leaving group is a carboxylic anhydride.

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IPC 8 full level  
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CPC (source: EP KR)  
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See references of WO 03099435A2

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