

Title (en)  
METHOD FOR THE PRODUCTION OF -g(g), -g(d)-UNSATURATED KETONES BY REACTING TERTIARY ALLYL ALCOHOLS WITH ALKENYL ALKYL ETHERS

Title (de)  
VERFAHREN ZUR HERSTELLUNG -g(g), -g(d)-UNGESÄTTIGTER KETONE DURCH UMSETZUNG TERTIÄRER ALLYLALKOHOLE MIT ALKENYLALKYLETHERN

Title (fr)  
PROCEDE DE PRODUCTION DE CETONES -g(g), -g(d)-INSATUREES PAR REACTION D'ALCOOLS ALLYLIQUES TERTIAIRES AVEC DES ETHERS D'ALCENYLALKYLE

Publication  
**EP 0897380 A1 19990224 (DE)**

Application  
**EP 97951226 A 19971118**

Priority  
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• EP 9706425 W 19971118

Abstract (en)  
[origin: DE19649564A1] Improved method for the production of gamma , delta -unsaturated ketones desired as odoriferous substances or as intermediate products for vitamins or carotinoids by the reaction of tertiary allyl alcohols and alkenyl alkyl ethers in the presence of acid catalyzers at high temperature. It is characterized in that the reaction is carried out in the presence of a phosphorus derivative of general formula (IV), in which A and B stand for a branched or unbranched alkyl or alkoxy radical with 1 to 10 C atoms, an optionally substituted aryl radical, cycloalkyl radical, aryloxy radical or cycloalkyloxy radical. In addition, A can stand for -H or -OH, or A and B together stand for an optionally substituted tetramethylene or pentamethylene radical, or for an optionally substituted phenyl-1,2-diol radical or a 1,1'-binaphthyl-2,2'-diol radical.

IPC 1-7  
**C07C 45/51**; **C07C 49/20**

IPC 8 full level  
**B01J 31/02** (2006.01); **C07B 61/00** (2006.01); **C07C 45/45** (2006.01); **C07C 45/51** (2006.01); **C07C 49/20** (2006.01); **C07C 49/203** (2006.01)

CPC (source: EP US)  
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