

Title (en)

PROCESS FOR CONTINUOUSLY PREPARING AN ORGANOPHOSPHORUS COMPOUND AND USE THEREOF

Title (de)

VERFAHREN ZUR KONTINUIERLICHEN HERSTELLUNG EINER ORGANOPHOSPHORVERBINDUNG SOWIE DESSEN VERWENDUNG

Title (fr)

PROCÉDÉ POUR LA PRODUCTION CONTINUE D'UN COMPOSÉ ORGANOPHOSPHORÉ ET UTILISATION DE CE COMPOSÉ

Publication

EP 2205614 A1 20100714 (DE)

Application

EP 08840907 A 20081016

Priority

- EP 2008008782 W 20081016
- EP 07201015 A 20071026
- EP 08840907 A 20081016

Abstract (en)

[origin: EP2053053A1] Preparing organophosphorus compound (I), comprises (a) esterifying phosphorus trihalide compound (III) with O-phenyl phenol compound (IV), (b) cyclizing the product obtained from the step (a) with a catalyst and subsequently hydrolyzing the product obtained from step (b), where the process is carried out continuously and takes place under an inert gas. Preparing organophosphorus compound of formula (I), comprises (a) esterifying phosphorus trihalide compound of formula (P(X)3) (III) with O-phenyl phenol compound of formula (IV), (b) cyclizing the product obtained from the step (a) with a catalyst and subsequently hydrolyzing the product obtained from step (b), where the process is carried out continuously and takes place under an inert gas. Either Y 1>, Y 2>H (preferred), halo, 1-18C-alkyl, 1-18C-alkoxy, aryl, aryloxy, acyl, nitro, CN or sulfonic acid group; or Y 1>Y 2>+biphenyl ring : a phenanthrene ring; and X : halo. An independent claim is included for the organophosphorus compound (I), which is obtained by the above process. [Image].

IPC 8 full level

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CPC (source: EP US)

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