

Title (en)  
PROCESS FOR THE PREPARATION OF 4,4'-DIHALOGEN-O-HYDROXYDIPHENYL COMPOUNDS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON 4,4'-DIHALOGEN-O-HYDROXYDIPHENYLVERBINDUNGEN

Title (fr)  
PROCEDE DE PREPARATION DE COMPOSES DE 4,4'-DIHALOGENE-O-HYDROXYDIPHENYL

Publication  
**EP 1119540 A1 20010801 (EN)**

Application  
**EP 99970076 A 19990927**

Priority  
• EP 99970076 A 19990927  
• EP 9907158 W 19990927  
• EP 98811002 A 19981006

Abstract (en)  
[origin: WO0020366A1] Disclosed is a four-step process for the preparation of 4,4'-dihalogen-o-hydroxydiphenyl compounds of formula (1) by halogenation of a diphenyl compound (step 1a) or by the reaction of p-halophenol and p-dihalobenzene (step 1b), acylation of the dihalogen compound in a Friedel-Crafts reaction (2nd step), oxidation of the acyl compound (3rd step) and hydrolysis (4th step). The compounds of formula (1) are used for protecting organic materials and objects from microorganisms.

IPC 1-7  
**C07C 43/295**; A01N 31/16; A61K 7/00; C11D 3/00; D06M 13/10; C07C 41/26

IPC 8 full level  
**A61K 8/30** (2006.01); **A01N 31/14** (2006.01); **A01N 31/16** (2006.01); **A61K 8/00** (2006.01); **A61Q 5/02** (2006.01); **A61Q 11/00** (2006.01); **A61Q 17/00** (2006.01); **A61Q 19/10** (2006.01); **C07B 61/00** (2006.01); **C07C 41/26** (2006.01); **C07C 43/295** (2006.01); **C11D 3/00** (2006.01); **C11D 3/48** (2006.01); **D06M 13/10** (2006.01); **D06M 13/165** (2006.01); **D21H 17/11** (2006.01); **D21H 21/36** (2006.01)

CPC (source: EP KR)  
**C07C 41/22** (2013.01 - EP); **C07C 41/26** (2013.01 - EP); **C07C 41/50** (2013.01 - KR); **C07C 43/295** (2013.01 - EP)

Citation (search report)  
See references of WO 0020366A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0020366 A1 20000413**; AU 5982199 A 20000426; BR 9914265 A 20010626; CN 1321142 A 20011107; EP 1119540 A1 20010801; IL 141947 A0 20020310; JP 2002526515 A 20020820; KR 20010075572 A 20010809; RU 2220946 C2 20040110; SK 4542001 A3 20010911; ZA 200102818 B 20011115

DOCDB simple family (application)  
**EP 9907158 W 19990927**; AU 5982199 A 19990927; BR 9914265 A 19990927; CN 99811690 A 19990927; EP 99970076 A 19990927; IL 14194799 A 19990927; JP 2000574487 A 19990927; KR 20017004247 A 20010403; RU 2001111857 A 19990927; SK 4542001 A 19990927; ZA 200102818 A 20010405