

Title (en)
IMPROVED PROCESS FOR PREPARING INSECTICIDAL (DISUBSTITUTEDPROPENYL) PHENYLALKYL SUBSTITUTED HETEROCYCLES

Title (de)
VERBESSERTES VERFAHREN ZUR HERSTELLUNG INSEKTIZIDER (DISUBSTITUIERTES PROPENYL)PHENYLALKYLSUBSTITUIERTER HETEROCYCLEN

Title (fr)
PROCEDE AMELIORE POUR PREPARER DES HETEROCYCLES INSECTICIDES SUBSTITUES PAR PHENYLALKYLE (PROPENYLE DISUBSTITUE)

Publication
EP 1902023 A4 20090812 (EN)

Application
EP 06774178 A 20060628

Priority
• US 2006025143 W 20060628
• US 69529505 P 20050630

Abstract (en)
[origin: WO2007005454A2] An improved process is described for preparing (disubstitutedpropenyl) phenylalkyl substituted heterocycles. This improved process is focused on steps to produce key intermediates, namely compounds of formula (I): where R³, R⁴, R⁵ and x are defined herein.

IPC 8 full level
C07D 209/06 (2006.01); **C07D 209/34** (2006.01)

CPC (source: EP)
C07D 213/64 (2013.01); **C07D 307/58** (2013.01)

Citation (search report)
• [X] US 6090836 A 20000718 - ADAMS ALAN D [US], et al
• [X] EP 1396490 A1 20040310 - YAMANOUCHI PHARMA CO LTD [JP]
• [X] US 5599815 A 19970204 - FUKUDA YOSHIMASA [JP], et al
• [X] US 3933837 A 19760120 - COLLINS JOSEPH C, et al
• [X] US 2002086891 A1 20020704 - AEBI JOHANNES [CH], et al
• [X] WO 2004011448 A1 20040205 - MERCK & CO INC [US], et al
• [YD] US 5922880 A 19990713 - SAKAMOTO NORIYASU [JP], et al
• [Y] WO 2004098284 A2 20041118 - FMC CORP [US], et al
• See references of WO 2007005454A2

Cited by
WO2011149694A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007005454 A2 20070111; WO 2007005454 A3 20070503; CN 101213172 A 20080702; EP 1902023 A2 20080326; EP 1902023 A4 20090812; IL 188238 A0 20080413; JP 2008544987 A 20081211; TW 200800955 A 20080101

DOCDB simple family (application)
US 2006025143 W 20060628; CN 200680024077 A 20060628; EP 06774178 A 20060628; IL 18823807 A 20071219; JP 2008519514 A 20060628; TW 95123584 A 20060629