

Title (en)  
METHOD FOR THE PRODUCTION OF STARCH PHOSPHATES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON STÄRKEPHOSPHATEN

Title (fr)  
PROCEDE POUR PREPARER DES PHOSPHATES D'AMIDON

Publication  
**EP 1891118 A1 20080227 (DE)**

Application  
**EP 06706559 A 20060201**

Priority  
• EP 2006000884 W 20060201  
• DE 102005004586 A 20050201

Abstract (en)  
[origin: DE102005004586A1] Preparation of highly-substituted starch phosphate comprising removing starch in a mixture of phosphatization agent that is free of dissolved urea, and water by pre-treatment, removing water from the obtained mixture and subsequently thermally converting to starch phosphate, is new. An independent claim is also included for a starch phosphate with a substitution degree at phosphate group of 0.01-2.0 and a carbamate concentration of less than or equal to 0.1.

IPC 8 full level  
**C08B 31/06** (2006.01)

CPC (source: EP)  
**C08B 31/066** (2013.01)

Citation (search report)  
See references of WO 2006082043A1

Citation (examination)  
• WO 9939715 A1 19990812 - MEDICAL ISOTOPES INC [US], et al  
• EP 1319395 A2 20030618 - BEIERSDORF AG [DE]  
• DATABASE WPI 7 June 1980 Derwent World Patents Index; AN 1980-52246C, "Increasing the fluidity of concrete mix - by adding water reducing agent and organic adhesion increasing agent contg. sodium starch-phosphate ester"

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)  
**DE 102005004586 A1 20060803; DE 102005004586 B4 20071220**; EP 1891118 A1 20080227; WO 2006082043 A1 20060810

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**DE 102005004586 A 20050201**; EP 06706559 A 20060201; EP 2006000884 W 20060201