

Title (en)  
SILICA GEL COMPRISING GUANIDINE CARBONATE

Title (de)  
GUANIDINCARBONAT-HALTIGES KIESELSOL

Title (fr)  
SOL DE SILICE CONTENANT DU CARBONATE DE GUANIDINE

Publication  
**EP 1521720 A1 20050413 (DE)**

Application  
**EP 03763721 A 20030707**

Priority  
• DE 10230982 A 20020710  
• EP 0307235 W 20030707

Abstract (en)  
[origin: WO2004007367A1] The invention relates to a fine-particulate, stable, partially-aggregated silica gel with a BET surface area of 100 to 1200 m<sup>2</sup>/g, and a content of from 0.05 to 15 wt. % of guanidinium ions, a method for production thereof by reaction of a raw gel with guanidine carbonate, preferably in the presence of a further base and use of the silica gel as an aid in paper retention.

IPC 1-7  
**C01B 33/148**

IPC 8 full level  
**C01B 33/146** (2006.01); **C01B 33/148** (2006.01); **D21H 17/68** (2006.01); **D21H 21/10** (2006.01)

CPC (source: EP KR US)  
**C01B 33/14** (2013.01 - KR); **C01B 33/146** (2013.01 - KR); **C01B 33/148** (2013.01 - EP KR US); **C08K 3/28** (2013.01 - US);  
**D21H 17/68** (2013.01 - EP US); **D21H 21/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004007367A1

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

DOCDB simple family (publication)  
**WO 2004007367 A1 20040122**; AU 2003250894 A1 20040202; BR 0305433 A 20040928; CA 2492094 A1 20040122; CA 2492094 C 20111220; CN 100358804 C 20080102; CN 1681738 A 20051012; DE 10230982 A1 20040122; EP 1521720 A1 20050413; HK 1084092 A1 20060721; JP 2005532249 A 20051027; JP 4471838 B2 20100602; KR 101005418 B1 20101230; KR 20050025598 A 20050314; NO 20050500 L 20050128; PL 202798 B1 20090731; PL 373105 A1 20050808; RU 2005103599 A 20050827; RU 2343113 C2 20090110; TW 200413252 A 20040801; TW I323722 B 20100421; US 2006013754 A1 20060119; US 2013068139 A1 20130321; US 8299131 B2 20121030

DOCDB simple family (application)  
**EP 0307235 W 20030707**; AU 2003250894 A 20030707; BR 0305433 A 20030707; CA 2492094 A 20030707; CN 03821522 A 20030707; DE 10230982 A 20020710; EP 03763721 A 20030707; HK 06104318 A 20060410; JP 2004520498 A 20030707; KR 20057000297 A 20030707; NO 20050500 A 20050128; PL 37310503 A 20030707; RU 2005103599 A 20030707; TW 92118660 A 20030709; US 201213617807 A 20120914; US 52057403 A 20030707