

Title (en)
ZINC ALUMINATE WITH HIGH SPECIFIC SURFACE AREA, PREPARATION METHOD AND USE FOR TREATING MOTOR VEHICLE EXHAUST GASES

Title (de)
ZINKALUMINAT MIT HOHER SPEZIFISCHER OBERFLÄCHE, DESSEN HERSTELLUNG UND DESSEN VERWENDUNG IN AUTOABGASBEHANDLUNG

Title (fr)
ALUMINATE DE ZINC A SURFACE SPECIFIQUE ELEVES, SON PROCEDE DE PREPARATION ET SON UTILISATION DANS LE TRAITEMENT D'AUTOMOBILE

Publication
EP 1098701 A1 20010516 (FR)

Application
EP 99920906 A 19990521

Priority
• FR 9901210 W 19990521
• FR 9806610 A 19980526

Abstract (en)
[origin: FR2779071A1] The invention concerns a zinc aluminate characterised in that it has, after calcination at 800 DEG C for 8 hours, a specific surface area of at least 85m²/g. The invention also concerns a precursor composition of said aluminate. The method for preparing the aluminate and the composition comprises the following steps: contacting in a solvent medium a salt, a zinc sol or alkoxide and an aluminium alkoxide; hydrolyzing the resulting mixture by adding an amount of water in excess relative to the aluminium alkoxide; recuperating the formed precipitate and optionally drying it, thereby obtaining the precursor composition; if required, calcining said precipitate, thereby obtaining the aluminate. Finally, the invention concerns the use of aluminate for treating motor vehicle exhaust gases.

IPC 1-7
B01J 23/06; **B01D 53/56**; **B01D 53/94**

IPC 8 full level
B01D 53/86 (2006.01); **B01D 53/94** (2006.01); **B01J 23/06** (2006.01); **C01G 9/00** (2006.01)

CPC (source: EP KR)
B01D 53/9418 (2013.01 - EP); **B01J 23/06** (2013.01 - EP KR); **B01D 2251/2062** (2013.01 - EP); **B01D 2251/208** (2013.01 - EP); **B01D 2255/2025** (2013.01 - EP); **B01D 2255/2065** (2013.01 - EP); **B01D 2255/20707** (2013.01 - EP); **B01D 2255/20792** (2013.01 - EP); **B01D 2255/2092** (2013.01 - EP); **B01D 2255/30** (2013.01 - EP); **B01D 2258/012** (2013.01 - EP); **Y02A 50/20** (2017.12 - EP); **Y02T 10/12** (2013.01 - EP)

Citation (search report)
See references of WO 9961150A1

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DE102004041295A1

Designated contracting state (EPC)
AT BE DE ES FI FR GB IT SE

DOCDB simple family (publication)
FR 2779071 A1 19991203; **FR 2779071 B1 20000818**; BR 9910711 A 20010130; CA 2333426 A1 19991202; CN 1145524 C 20040414; CN 1302226 A 20010704; EP 1098701 A1 20010516; JP 2002516245 A 20020604; KR 100392168 B1 20030722; KR 20010052401 A 20010625; NO 20005931 D0 20001123; NO 20005931 L 20010118; WO 9961150 A1 19991202; ZA 200005822 B 20020516

DOCDB simple family (application)
FR 9806610 A 19980526; BR 9910711 A 19990521; CA 2333426 A 19990521; CN 99806551 A 19990521; EP 99920906 A 19990521; FR 9901210 W 19990521; JP 2000550597 A 19990521; KR 20007013277 A 20001125; NO 20005931 A 20001123; ZA 200005822 A 20001019