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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

**Published:**
— *with international search report*
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(54) Title: THERMALLY STABLE ALUMINUM TRIHYDROXIDE PARTICLES PRODUCED BY SPRAY DRYING WITH SUBSEQUENT DRY-MILLING AND THEIR USE

(57) Abstract: The present invention relates to a novel process for the production of aluminum hydroxide flame retardants having improved thermal stability, the aluminum hydroxide particles produced therefrom, the use of the aluminum hydroxide particles produced therefrom in flame retarded polymer formulations, and molded or extruded articles made from the flame retarded polymer formulations.

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C01F7/02 C01F7/18 C08K3/22 C09K21/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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| 7 March 2008 | 18/03/2008 |

| Name and mailing address of the ISA/ | Authorized officer |
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| European Patent Office, P.B. 5818 Patentlaan 2<br>NL – 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016 | Gumann, Sina |

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