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- (54) **Title:** ALUMINUM COMPOSITIONS OF ENHANCED EFFICACY HAVING HIGH HPLC BANDS II, L AND IV

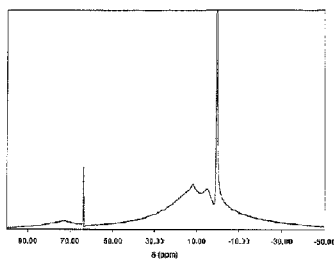


Fig. 1 ^{27}Al NMR of the aluminum salt composition with an Al/Cl ratio of 1.47 prepared according to process A of the invention.

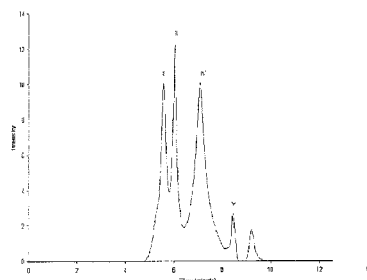


Fig. 2 SEC-HPLC of the aluminum salt composition with an Al/Cl ratio of 1.49 prepared according to process B of the invention.

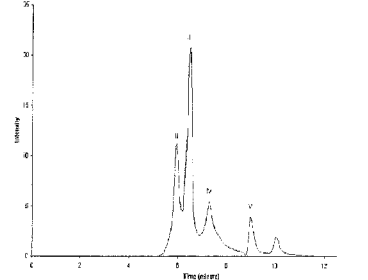


Fig. 3 SEC-HPLC of the aluminum salt composition with an Al/Cl ratio of 1.71 prepared according to process C of the invention.

- (57) **Abstract:** Novel aluminum antiperspiram compositions of enhanced efficacy activated by both heat and acid are produced comprising basic aluminum salts of having the formula: $\text{Al}_2(\text{OH})_{6-2a}\text{X}_a$ wherein X is Cl^- , Br^- , I^- , or NO_3^- , a is from about 1.1 to about 1.7, with basic aluminum chloride being the preferred salt. When analyzed by SEC-HPLC at: about 10% concentration (i.e., by 2% Al) in water, these compositions exhibit an SEC-HPLC Band I area of less than 10%, a Band III area of at least 20%, with a Band III/II area ratio of at least 0.7, a Band IV area of at least 20%, and have at least 60% aluminum species contained in Bands III and Band IV.

INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER

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ADD.

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 practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/265939 A1 (LI ZIJUN [US]) 1 December 2005 (2005-12-01) paragraphs [0012], [0025], [0027], [0028], [0034], [0040] figure 1	1-19
X	----- EP 0 405 598 A2 (DOW CORNING [US]) 2 January 1991 (1991-01-02) pages 4-6 figure 3	1-19
X	----- EP 0 274 252 A1 (DOW CORNING [US]) 13 July 1988 (1988-07-13) page 3, lines 14-57 example I -----	1-19



Further documents are listed in the continuation of Box C.



See patent family annex.

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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