United States Patent [19]

Kato et al.

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[54] **METHOD FOR FORMING ACTIVATED ALUMINA COATING ON REFRACTORY ARTICLE AND ARTICLE THEREBY PRODUCED**

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Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 684,243, May 7, 1976, abandoned, which is a continuation of Ser. No. 466,074, May 1, 1974, abandoned.

[30] **Foreign Application Priority Data**

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[52] **U.S. Cl.** ..... **252/466 PT;** 423/213.5; 427/376.2; 427/380; 427/404; 427/431; 427/343

[58] **Field of Search** ..... 427/376 R, 376 A, 376 B, 427/380, 336, 243, 343, 246, 230, 404, 431, 430 B, 419 A; 252/313 R, 466 PT; 423/213.5; 428/539, 472

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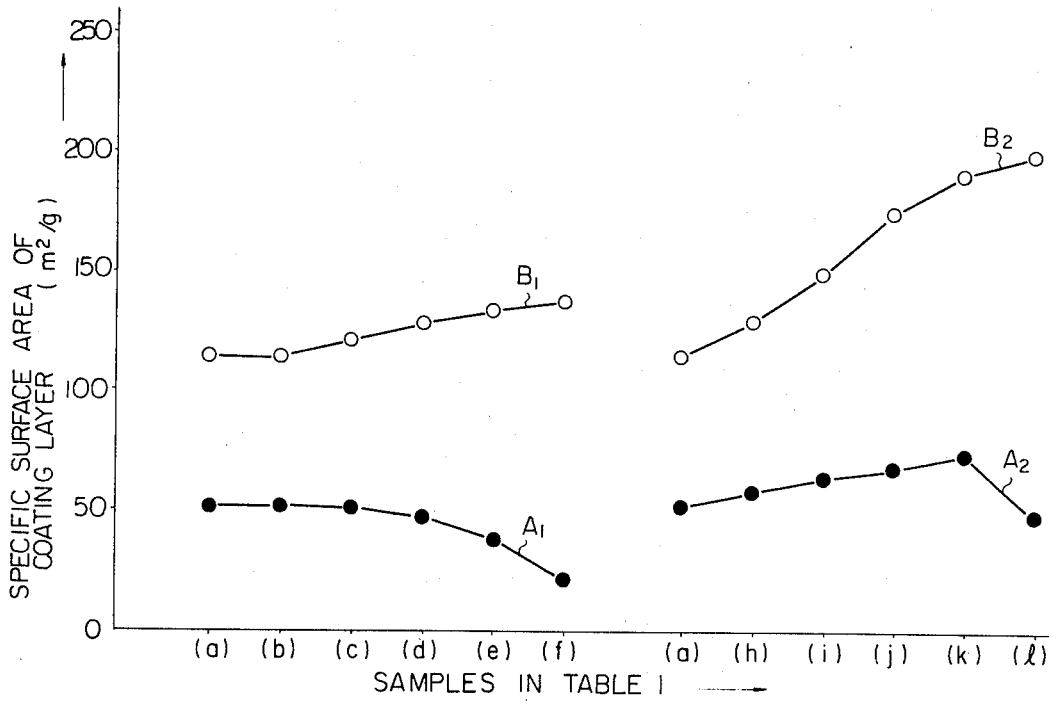
[57] **ABSTRACT**

A mixture is prepared by mixing alumina sol and activated alumina which contains not less than 60 Wt % of delta-alumina. The mixture is thereafter coated on a relatively small specific surface area monolithic catalyst carrier. After being dried, the coated carrier is fired to give a high specific surface area catalyst carrier.

16 Claims, 4 Drawing Figures