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- (71) Applicants (*for all designated States except US*): **AKZO NOBEL N.V.** [NL/NL]; Velperweg 76, NL-6824 BM Arnhem (NL). **ATOFINA RESEARCH** [BE/BE]; Zone Industrielle C, B-7181 Seneffe (Feluy) (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **LEVIVELD, Robertus, Gerardus** [NL/NL]; Wageningseberg 320, NL-3524 LX Utrecht (NL). **STAADEGAARD, Ron** [NL/NL]; Lindenlaan 79, NL-1815 HD Alkmaar (NL). **CERFONTAIN, Marinus, Bruce** [NL/NL]; S. Louisweg 99, NL-1034 WR Amsterdam (NL). **VANHAEREN, Xavier, Gilles, Gérard, Léopold** [BE/BE]; Vieux Chemin de l'Helpe 63, B-1332 Genval (BE).
- (74) Agent: **SCHALKWIJK, Pieter, Cornelis**; Akzo Nobel N.V., Intellectual Property Dept. (Dept. AIP), P.O. Box 9300, NL-6800 SB Arnhem (NL).
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(54) Title: PROCESS FOR THE HYDROGENATION OF AROMATICS

(57) Abstract: The present invention pertains to a process for effecting aromatics hydrogenation which process comprises contacting a hydrocarbon feedstock which contains 10-80 vol.% of aromatics in the presence of a hydrogen-containing gas with a catalyst which comprises hydrogenation metals on a carrier. Wherein (i) the hydrogenation metals comprise a combination of platinum and palladium, and (ii) the carrier comprises silica-alumina dispersed in an alumina binder, wherein the alumina binder is present in an amount of 5-50 wt.%, based on the total weight of the silica-alumina and alumina binder present in the carrier, and wherein the silica-alumina comprises 5-50 wt.% of alumina, based on the weight of the silica-alumina. The use of a catalyst comprising platinum and palladium on a carrier comprising silica-alumina and 5-50 wt.% of an alumina binder, the silica-alumina comprising 5-50 wt.% of alumina, based on the weight of the silica-alumina, leads to an increased aromatics hydrogenation as compared to a catalyst containing only platinum as hydrogenation metal, and as compared to a catalyst containing more than 50 wt.% of an alumina binder and/or more than 50 wt.% of alumina in the silica-alumina contained in the carrier.



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