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(21) International Application Number: PCT/US99/25952 (22) International Filing Date: 4 November 1999 (04.11.99) (30) Priority Data: 09/186,839 5 November 1998 (05.11.98) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventor: HARPER, Mark, Jay; 104 Redden Lane, Middle- town, DE 19709 (US). (74) Agent: STEVENSON, Robert, B.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).		(81) Designated States: BR, CA, CN, ID, JP, KR, MX, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: RANEY COBALT CATALYST AND A PROCESS FOR HYDROGENATING ORGANIC COMPOUNDS USING SAID CATALYST		
(57) Abstract The present invention relates to a Raney catalyst comprising iron, cobalt, a third metal wherein the third metal is selected from the group consisting of nickel, rhodium, ruthenium, palladium, platinum, osmium, iridium and mixtures of any of the metals of this group. In the examples nickel is the third metal and the catalyst is used for the hydrogenation of adiponitrile (ADN) to 6-aminocapronitrile (ACN) and hexamethylenediamine (HMD).		