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(54) Title: HYDROCYANATION METHOD FOR ETHYLENICALLY UNSATURATED ORGANIC COMPOUNDS

(54) Titre : PROCEDE D'HYDROCYANATION DE COMPOSES ORGANIQUES A INSATURATION ETHYLENIQUE

(57) Abstract: The invention concerns a method for hydrocyanation of ethylenically unsaturated organic compounds into compounds comprising at least a nitrile function. More particularly, it concerns a method for hydrocyanation of organic compounds comprising at least a ethylenical bond by reacting hydrogen cyanide, in the presence of a catalytic system comprising a transition metal and an organophosphorus ligand. The organophosphorus ligand is a compound with monophosphanorbornadiene structure. The invention concerns in particular hydrocyanation of butadiene into adiponitrile.

(57) Abrégé : La présente invention concerne un procédé d'hydrocyanation de composés organiques à insaturation éthylénique en composés comprenant au moins une fonction nitrile. Elle concerne plus particulièrement un procédé d'hydrocyanation de composés organiques comprenant au moins une liaison éthylénique par réaction avec le cyanure d'hydrogène, en présence d'un système catalytique comprenant un métal de transition et un ligand organophosphoré. Le ligand organophosphoré est un composé à structure monophosphanorbornadiène. Elle concerne notamment l'hydrocyanation du butadiène en adiponitrile.

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