

ABSTRACT

5 CONTINUOUS HYDROGENATION OF AROMATIC NITRATED COMPOUNDS USING A CATALYST HAVING A LOW ALUMINIUM CONTENT

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10 The subject of the present invention is a process for the catalytic hydrogenation
of nitrated aromatic compounds, comprising a reaction zone, a separation zone and
peripherals, in which the hydrogenation is carried out continuously, with a catalyst
comprising at least nickel and possibly aluminium; the said catalyst has a total
aluminium content, if aluminium is present, in the catalyst of at most 5.5% by weight of
15 the catalyst. Finally, the residence time of the catalyst in the reaction zone, separation
zone and peripherals is at least three days.

 The subject of the invention is likewise the use of a catalyst in a process for the
continuous catalytic hydrogenation of nitrated aromatic compounds, the said catalyst
comprising at least nickel and possibly aluminium, the total aluminium content being at
20 most 5.5% by weight of the catalyst, for the purpose of limiting the formation of nickel
aluminates.