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(54) Title: METHOD FOR PREPARING ALDEHYDES BY HYDROFORMYLATION

(54) Bezeichnung: VERFAHREN ZUR HERSTELLUNG VON ALDEHYDEN DURCH HYDROFORMULIERUNG

(57) Abstract

The invention concerns a catalyst containing: (a) more than 70 wt. % of a polyethyleneglycol of formula (I): $H-(OCH_2CH_2)_n-OH$, in which: n is a whole number between 3 and 16; and the mean molecular weight in number is less than 650; (b) rhodium in elementary or combined form; (g) between 2 and 25 wt. % of a ligand comprising at least one phosphorus atom; (h) at most, 25 wt. % of water. The invention also concerns the use of said catalyst for preparing aldehydes.

(57) Zusammenfassung

Katalysator, enthaltend: (a) mehr als 70 Gew.-% eines Polyethylenglykols der Formel (I): $H-(OCH_2CH_2)_n-OH$, in der n eine ganze Zahl zwischen 3 und 16 darstellt; und das zahlenmittlere Molgewicht weniger als 650 beträgt, (b) Rhodium in elementarer oder gebundener Form; (g) 2 bis 25 Gew.-% eines Liganden, der mindestens 1 Phosphoratom aufweist; (h) höchstens 25 Gew.-% Wasser; sowie dessen Verwendung zur Herstellung von Aldehyden.