WERK RUHRCHEMIE FPR

Frankfurt, December 15, 1992
PAT/rcht-sei Hoe92/Y020

Hoechst Aktiengesellschaft, 6230 Frankfurt am Main 80

Abstract

For the preparation of predominantly unbranched higher primary alcohols, olefins from the Fischer-Tropsch synthesis are reacted with hydrogen and carbon monoxide in the presence of water and rhodium, in metallic form or as a compound, and a water-soluble phosphine as catalyst. The reaction product obtained is hydrogenated. The water-soluble phosphines employed are compounds whose anion is a phosphine containing at least one sulfonated or carboxylated aromatic radical and whose cation is a quaternary ammonium or phosphonium ion.

This Sheet Has Been Replaced