

Title (en)
PROCESS FOR HYDROGENATING ACETYLENES

Title (de)
VERFAHREN ZUR SELECTIVEN HYDRIERUNG VON ACETYLENEN

Title (fr)
PROCEDE D'HYDROGENATION D'ACETYLENES

Publication
EP 1519788 A1 20050406 (EN)

Application
EP 02748159 A 20020708

Priority
US 0222340 W 20020708

Abstract (en)
[origin: WO2004004901A1] A process for selectively hydrogenating C₄-acetylenes in a liquid hydrocarbon stream containing largely butadiene has been developed. Hydrogen and the hydrocarbon stream are contacted with a catalytic composite comprising an inorganic oxide support having dispersed thereon finely divided copper metal and an activator metal of nickel, cobalt, platinum, palladium, manganese, or a combination thereof where 1) the catalytic composite has an average diameter of up to 800 µm (1/32 inch) and/or 2) at least 70 weight percent of the copper metal and the activator metal are dispersed on the outer 200 µm layer of the support.

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IPC 8 full level
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