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(54) Title: VINYL ACETATE CATALYST COMPRISING METALLIC PALLADIUM, COPPER AND GOLD AND PREPARATION THEREOF

(57) Abstract

A catalyst for the production of vinyl acetate by reaction of ethylene, oxygen and acetic acid comprising a porous support on the porous surfaces of which is deposited catalytically effective amounts of metallic palladium, gold and copper, said catalyst having been prepared by steps comprising impregnating said support, the porous surfaces of which contain catalytically effective amounts of prereduced metallic palladium and copper, with a solution of potassium aurate, and reducing the potassium aurate to a catalytically effective amount of metallic gold. Alternatively, the support may first be contacted with gold followed by contact with palladium/copper complexes. A still further alternative includes use of sodium free reagents.