# A B S T R A C T

## EPOXIDATION CATALYST AND PROCESS

A catalyst comprising a porous refractory support having deposited thereon a catalytically effective amount of silver, a promoting amount of alkali metal, a promoting amount of rhenium, and a promoting amount of Group IVB metal applied to the support in the form of oxo compound(s). The catalyst is preparable by impregnating the support with solubilized silver and promoters, followed by calcination. The catalyst is intended for the epoxidation of olefins having no allylic hydrogen, in particular ethylene.