Abstract

Continuous process for the epoxidation of olefins by means of hydroperoxide, in which the epoxidation is carried out in a reactor in which at least one catalyst suspended in a liquid phase is present, wherein the liquid phase is passed through a device which has openings or channels and is installed in the reactor and the epoxide-containing liquid is separated off by means of crossflow filtration so that the suspended catalyst is retained in the reaction system.