

Abstract

The production of noble metal oxalate complexes from noble metal precursors and oxalic acid and/or oxalic acid salts is an exothermic reaction, in which heat and CO₂ are produced. The temperature can increase above the decomposition point of the noble metal oxalate complexes in the course of the reaction, which simultaneously releases more CO₂. For safety reasons, when the reaction is carried out on a large scale, it is therefore necessary to take into consideration that the product must not be decomposed by heat that is produced during the reaction. Therefore, according to the invention, a method for the production of noble metal oxalate complexes is provided, in which noble metal oxalate complexes corresponding to the product are added to the reaction mixture as an auto-catalyst.