

Abstract

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In a process for the suspension hydrogenation of an anthraquinone compound or a mixture of two or more thereof in a reactor in which there are present the working solution in which at least one catalyst is suspended and, in addition, a hydrogen-containing gas phase, 10 the working solution and the gas phase are, in the reactor, passed at least partly through a fitting having openings or channels whose hydraulic diameter is from 0.5 to 20 mm, preferably from 1 to 10 mm, particularly preferably from 1 to 3 mm.