Abstract:

The present invention relates to an aqueous dispersion of a transparent powder coating, consisting of a solid powder component A and an aqueous component B, wherein

component A is a transparent powder coating comprising

(a) at least one epoxy group-containing binder having a content of glycidyl-containing monomers of from 30 to 45 %, preferably from 30 to 35 %, and optionally having a content of vinylaromatic compounds, preferably styrene;
(b) at least one crosslinking agent, preferably straight-chain aliphatic dicarboxylic acids and/or carboxy-functional polyesters; and
(c) optionally catalysts, adjuvants, additives typical for transparent powder coatings, such as deaerating agents, levelling agents, UV absorbers, radical scavengers and antioxidants;

and

component B is an aqueous dispersion comprising

(a) at least one nonionic thickener, preferably a nonionic associative thickener, and
(b) optionally catalysts, adjuvants, defoamers, dispersion adjuvants, wetting agents, preferably carboxy-functional dispersants, antioxidants, UV absorbers, radical scavengers, biocides, small amounts of solvents and/or water retaining agents.

A further subject of the application is a process for preparing the dispersion of transparent powder coating, and its use for vehicle bodies.

This Sheet Has Been Replaced

