

Title (en)

Coated abrasive having a coating of an epoxy resin coatable from water.

Title (de)

Mit einer wässrigen Epoxydharzschicht überzogener Schleifkörper.

Title (fr)

Abrasif revêtu contenant une couche en résine époxy appliquée en base aqueuse.

Publication

EP 0546831 A2 19930616 (EN)

Application

EP 92311283 A 19921210

Priority

US 80496891 A 19911211

Abstract (en)

This invention relates to a coated abrasive having a plurality of abrasive grains bonded to a backing by means of one or more binders, in particular a binder formed from an epoxy resin that is coatable from water. Coated abrasives comprise a backing having abrasive grains bonded thereto by one or more binders. These binders typically comprise a glutinous or resinous adhesive, and may optionally contain one or more additives. Binders are typically applied by coating from an organic solvent. In recent years, however, there has been a need to coat these resins exclusively from water on account of increasingly stringent pollution legislation. Accordingly, it is desired to provide a coated abrasive article having an overcoating containing an epoxy resin and a grinding aid, wherein the epoxy resin can be coated from water. This invention provides a coated abrasive article having a coating comprising a composition formed from an epoxy resin that is capable of being coated from water, a curing agent, and optionally a grinding aid dispersed in the epoxy resin. It is preferred that the coat containing the epoxy resin and the grinding aid be the outermost coat of the coated abrasive article, e.g. the size coat or supersize coat, in order to position the grinding aid in direct contact with the workpiece being abraded.

<IMAGE>

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CPC (source: EP KR)

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Cited by

CN106368134A; US8287611B2; US8435098B2; US7947097B2; WO2008079934A3; US7591865B2; US8628596B2

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