

Title (en)

COATED ABRASIVE ARTICLE AND METHOD OF MAKING THE SAME

Title (de)

BESCHICHTETER SCHLEIFARTIKEL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ARTICLE ABRASIF REVÊTU ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication

EP 4225532 A1 20230816 (EN)

Application

EP 21762126 A 20210819

Priority

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- IB 2021057652 W 20210819

Abstract (en)

[origin: WO2022074474A1] A method of making a coated abrasive article comprises sequential steps: disposing a curable composition on a major surface of a backing b) adhering abrasive particles to the curable composition; c) at least partially curing the free-radically polymerizable component; and d) at least partially curing the phenolic resin component to provide an at least partially cured composition. The curable composition comprises a phenolic resin component, a free-radically polymerizable component, and an organic polymeric rheology modifier, wherein the organic polymeric rheology modifier comprises an alkali-swellable/soluble polymer, and wherein, on a solid basis, the organic polymeric rheology modifier comprises from 0.001 to 5 weight percent of the phenolic resin component, the free-radically polymerizable component, and the organic polymeric rheology modifier combined. A variant wherein step b) effectively occurs after step c) is also disclosed. Abrasive articles made according to the methods are also disclosed.

IPC 8 full level

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CPC (source: EP US)

B24D 3/28 (2013.01 - EP US); **B24D 3/344** (2013.01 - EP US); **B24D 11/00** (2013.01 - EP); **B24D 18/0072** (2013.01 - EP)

Citation (search report)

See references of WO 2022074474A1

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