

Title (en)

CURABLE RESINOUS COMPOSITIONS AND SCRATCH RESISTANT COUNTERTOPS DERIVED THEREFROM

Title (de)

HÄRTBARE HARZZUSAMMENSETZUNGEN UND KRATZFESTE ARBEITSPLETTEN DARAUS

Title (fr)

COMPOSITIONS RESINEUSE DURCISSABLE ET REVETEMENTS DE COMPTOIRS RESISTANTS AUX EGRATIGNURES DERIVES DE CES COMPOSITIONS

Publication

EP 1824916 A1 20070829 (EN)

Application

EP 04800941 A 20041110

Priority

US 2004037419 W 20041110

Abstract (en)

[origin: WO2006052253A1] A resinous curable composition comprises: (a) an epoxy resin; (b) at least carboxylic acid anhydride; (c) at least one inorganic filler, wherein at least 80% of the particles of the filler have a particle diameter size between about 10 to about 40 microns, and (d) at least one inorganic filler, wherein at least 80% of the particles of the filler have a particle diameter size greater than about 90 microns and is preferably either sand and/or granite chips. The curable composition may be hardened in the presence of a heat activated catalyst to render a scratch resistant hard surface, suitable for use as a countertop or laboratory bench top. The composition may contain as high as 89% inorganic filler.

IPC 8 full level

C08K 3/36 (2006.01); **C04B 26/14** (2006.01); **C08K 5/09** (2006.01)

CPC (source: EP)

C04B 26/14 (2013.01); **C08K 3/01** (2017.12); **C08K 3/36** (2013.01); **C04B 2111/2038** (2013.01); **C04B 2111/54** (2013.01); **C08K 2201/003** (2013.01); **C08K 2201/014** (2013.01)

Citation (search report)

See references of WO 2006052253A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006052253 A1 20060518; CA 2584418 A1 20060518; EP 1824916 A1 20070829; MX 2007005334 A 20070911

DOCDB simple family (application)

US 2004037419 W 20041110; CA 2584418 A 20041110; EP 04800941 A 20041110; MX 2007005334 A 20041110