Title (en)

REACTION RESIN SYSTEM WITH A PHOSPHORUS-CONTAINING COMPONENT

Title (de)

REAKTIONSHARZSYSTEM MIT PHOSPHORHALTIGER KOMPONENTE

Title (fr)

SYSTEME DE RESINE DE REACTION COMPRENANT UN COMPOSANT CONTENANT DU PHOSPHORE

Publication

EP 0805832 A1 19971112 (DE)

Application

EP 96900244 A 19960102

Priority

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- DE 19502410 A 19950126

Abstract (en)

[origin: US5811486A] PCT No. PCT/DE96/00003 Sec. 371 Date Jul. 25, 1997 Sec. 102(e) Date Jul. 25, 1997 PCT Filed Jan. 2, 1996 PCT Pub. No. WO96/23018 PCT Pub. Date Aug. 1, 1996For better flame-retardant finishing and better workability of an epoxy-anhydride reaction resin system, it is proposed to supplement the reaction resin system with phosphonic semi-ester as additional reactive constituents. These are produced by conversion of phosphonic acid anhydride with single-valent or multi-valent alcohols. As a result of the selection of the alcohol constituent, property features of the molding material modified therewith that are already advantageous can be designationally set without thereby negatively influencing the hardening characteristic. Even with slight parts of phosphonic acid semi-ester, shaped members manufactured therefrom exhibit an adequate flame-retardant behavior given an otherwise unmodified property profile.

IPC 1-7

C08G 59/40; C08G 59/42; C07F 9/40; C07F 9/50

IPC 8 full level

C07F 9/40 (2006.01); **C07F 9/53** (2006.01); **C08G 59/40** (2006.01); **C08G 59/42** (2006.01); **C08L 63/00** (2006.01); **H01L 23/29** (2006.01)

CPC (source: EP US)

C07F 9/4075 (2013.01 - EP US); **C07F 9/5304** (2013.01 - EP US); **C08G 59/4071** (2013.01 - EP US); **C08G 59/42** (2013.01 - EP US); **C08G 59/4284** (2013.01 - EP US); **H01L 23/293** (2013.01 - EP US); H01L 2924/0002 (2013.01 - EP US)

Citation (search report)

See references of WO 9623018A1

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DOCDB simple family (application)

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