

Title (en)
FILLED POLYMER COMPOSITIONS.

Title (de)
GEFÜLLTE POLYMERZUSAMMENSETZUNG.

Title (fr)
COMPOSITIONS POLYMERES CHARGEES.

Publication
EP 0587856 A1 19940323 (EN)

Application
EP 93907958 A 19930331

Priority
GB 9207099 A 19920401

Abstract (en)
[origin: WO9320137A1] A fluid, highly filled curable composition comprising an organic liquid polymerisable to form a solid polymer, from 35 to 85 % by weight of a finely divided inorganic filler having specified particle size and surface area and a carboxylic acid ester or amide carrying a terminal acid group selected from sulphate, sulphonate, phosphate and phosphonate, and continuous fibre reinforcement with the proviso that the composition when cured contains at least 15 % by weight of repeat units derived from acrylate or methacrylate monomer. Compositions have attractive rheology characteristics enabling products to be readily fabricated, such products having excellent fire and smoke properties.

Abstract (fr)
Composition polymérisable fluide comportant des concentrations élevées de charge, comprenant un liquide organique polymérisable destiné à former un polymère solide, entre 35 et 85 % en poids d'une charge inorganique finement divisée possédant une granulométrie ainsi qu'une superficie spécifiées, et un ester d'acide carboxylique ou un amide portant un groupe d'acide terminal sélectionné à partir de sulfure, de sulfonate, de phosphate et de phosphonate, à condition que la composition, lorsqu'elle est polymérisée, contienne au moins 15 % en poids d'unités répétitives dérivées d'un monomère d'acrylate ou de méthacrylate.

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