

Title (en)

PROCESS FOR THE PREPARATION OF INORGANIC-ORGANIC SYNTHETIC RESINS

Publication

**EP 0000579 B1 19801029 (DE)**

Application

**EP 78100504 A 19780726**

Priority

DE 2734691 A 19770802

Abstract (en)

[origin: US4276404A] The instant invention is directed to a process for the production of inorganic-organic synthetic materials having high strength, elasticity, dimensional stability under heat, and flame resistance, consisting of a polymer-polysilicic acid gel composite material in the form of a solid/solid xerosol, said process comprising mixing (a) an organic polyisocyanate, (b) an aqueous basic solution and/or an aqueous basic suspension having an inorganic solid content of from 20-80% by weight preferably from 30-70% by weight, (c) a flowable inorganic compound and optionally (d) catalysts and other additives and allowing the resulting mixture to react, characterized in that mixing is carried out by first combining components (a) and (b), optionally with the addition of all or part of component (d), to form a stable primary dispersion and thereafter adding component (c), optionally the addition of all or part of component (d), to form a final dispersion.

IPC 1-7

**C08G 18/38**; **C08G 83/00**; **C08L 75/00**

IPC 8 full level

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CPC (source: EP US)

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EP

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3. **C08K 3/34 + C08L 75/00**

US

1. **C08K 3/013 + C08L 75/00**
2. **C08K 3/34 + C08L 75/00**

Cited by

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DOCDB simple family (publication)

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