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(54) Title: FLEXIBLE TRANSLUCENT TO TRANSPARENT FIREPROOF COMPOSITE MATERIAL

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FIG.6

(57) Abstract: A fireproof, translucent, flexible coated fabric composite material for use in fire curtains. The composite material meets or exceeds regulatory requirements in terms of fire endurance and allows transmissivity of necessary amounts of light. The process of the present disclosure combines a silica fabric with a special refractory index controlled resin. This unique combination of materials can transform an opaque high temperature fabric into a translucent, and even transparent, composite which as the ability to resist high temperature, flame and smoke penetration that fills a needed gap in technology between visibility and fire resistance in the field of fire and smoke curtains used in civil construction.

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