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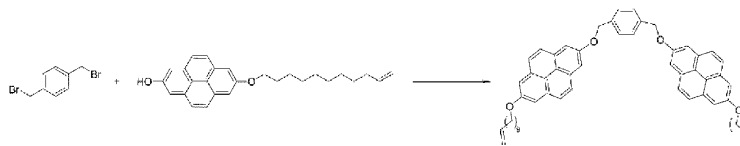
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(54) Title: REPAIR AND OPTIMIZATION OF NANOCOMPOSITE MATERIALS

Figure 1.



(57) Abstract: The present invention relates to process for making a component comprising a composite material whereby three possible methods are detailed. More specifically, the invention relates to producing high performance composite materials, the method comprising surrounding nanofillers with specialized molecules that form covalently closed rings, where the matrix itself can be composed of polymers, metals, ceramics, or cement-based materials. The present invention also relates to a composite material comprising a nanofiller in the form of a nanotube or a graphene and further comprising a structural entity or matrix. Furthermore, the invention also relates to products or components made from the composite material.

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