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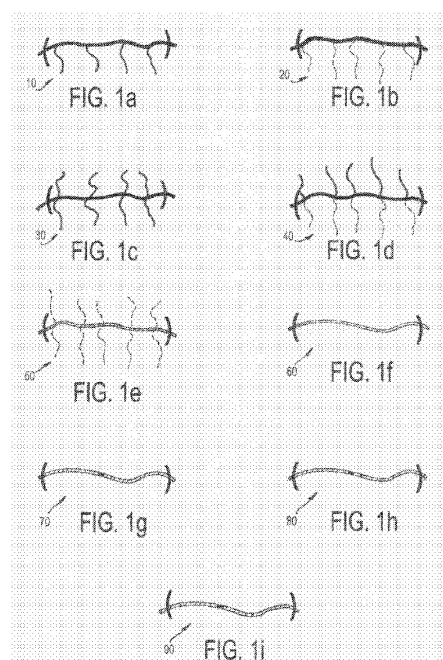
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(54) Title: POROUS MATERIALS FROM COMPLEX BLOCK COPOLYMER ARCHITECTURES



(57) Abstract: Self-assembled porous block copolymer materials with a complex block copolymer architecture, methods of preparing, uses for separation and detection, and devices for using as such. The porous materials contain at least one of macro, meso, or micro pores, at least some of which are isoporous, and include at least one block copolymer with at least two chemically distinct blocks, which further comprises a complex architecture such as: multiple distinct monomers in or between blocks, branching, crosslinking, or ring architectures.

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