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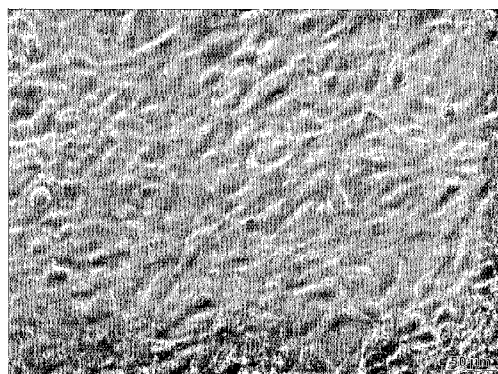


FIG. 1

(57) Abstract: A copolymer defines interconnected pores and comprises polymerized monomers. The monomers comprise a first monomer more hydrophilic than 2-hydroxyethyl methacrylate (HEMA), and a second monomer as hydrophilic as, or less hydrophilic than, HEMA. In a method of forming a polymer, a bicontinuous microemulsion comprising water, a surfactant, and a combination of monomers copolymerizable for forming a porous copolymer is provided. The combination of monomers comprises the first and second monomers. The monomers in the bicontinuous microemulsion are polymerized to form the porous copolymer. The first monomer may comprise N-vinylpyrrolidone (NVP) or methacrylic acid (MAA). The second monomer may comprise HEMA or methyl methacrylate (MMA).

