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(54) Titre : MATERIAUX POLYMERES IMPREGNES POUR LIER DES CIBLES VARIEES TELLES QUE DES VIRUS
(54) Title: IMPRINTED POLYMERIC MATERIALS FOR BINDING VARIOUS TARGETS SUCH AS VIRUSES

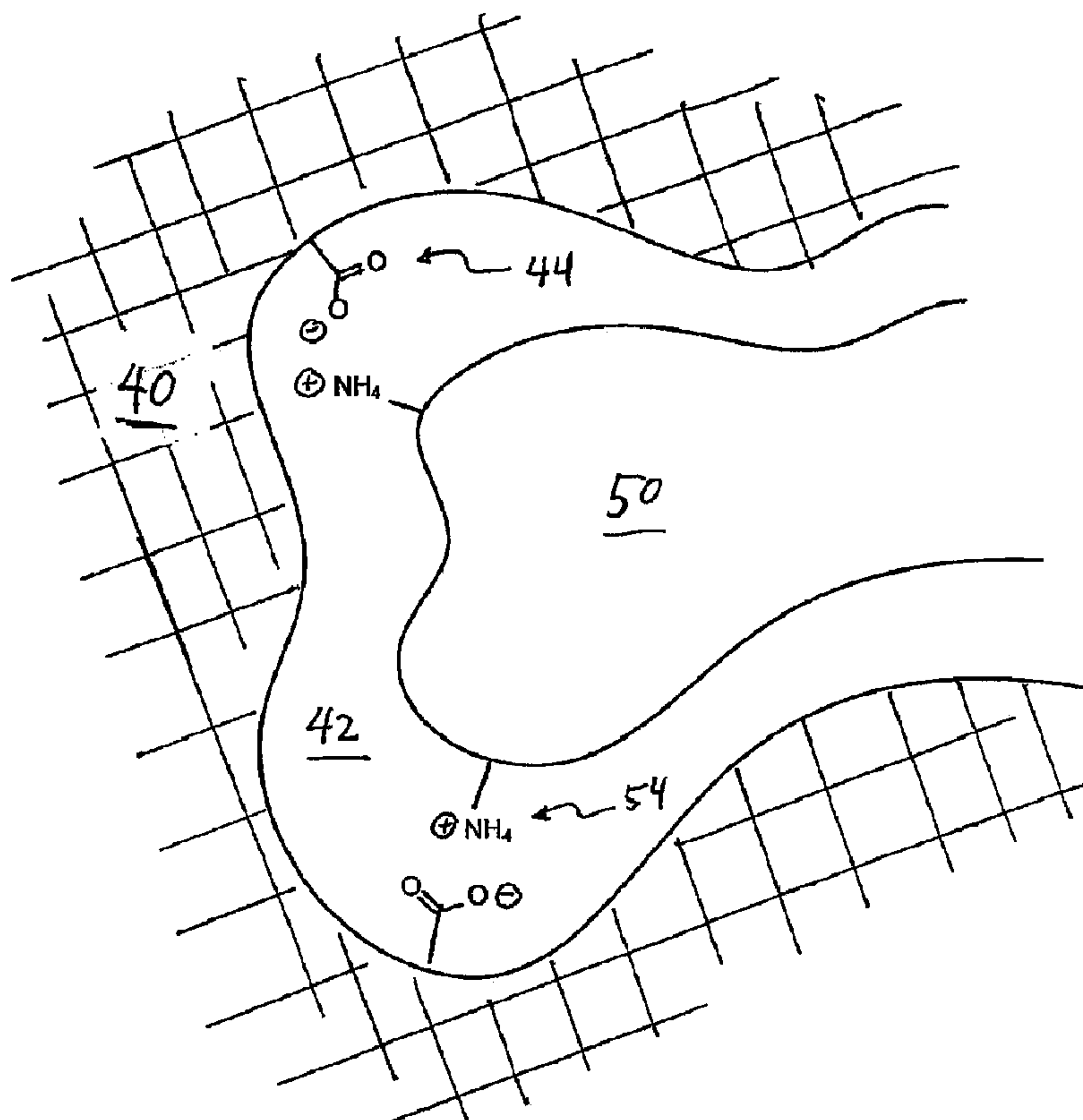


Fig. 2

(57) Abrégé/Abstract:

Imprinted polymeric materials that selectively bind to a template article. Various types of template articles may be targeted by the imprinted polymeric materials, including microorganisms (e.g., viruses or bacteria) or biologic macromolecules (e.g., proteins or



(57) **Abrégé(suite)/Abstract(continued):**

DNA). The imprinted polymeric material may be formed by template-directed synthesis using monomer units that interact with the template article. The monomer units are used to form a polymer matrix around the template article. Subsequently, the template article is removed from the polymer matrix. Also disclosed are imprinted polymeric materials comprising a cross-linked polymer matrix, which comprises a polyampholyte polymer. The polymer matrix has a binding cavity capable of selectively binding to a template article. Also disclosed are various uses for such imprinted polymeric materials.

