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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: FORMATION AND IMMOBILIZATION OF SMALL PARTICLES BY USING POLYELECTROLYTE MULTILAYERS

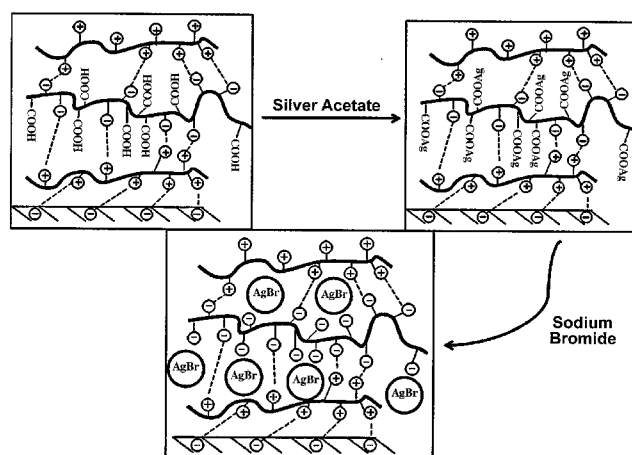


FIG. 1

(57) Abstract: A method for forming and immobilizing small particles on a filter substrate using a first and second polymer solution, a solution of sodium bromide and a solution of a metal salt. The method adjusts the pH of at least one of the first and second polymer solutions, immersing the filter substrate in the first polymer solution and immersing the filter substrate in the second polymer solution. The method includes repeating the steps of immersing the filter substrate in the first solution and the second solution alternately until desired number of layers is achieved. The method allows for the filter substrate to be immersed in the solution of the metal salt and subsequently in the solution of sodium bromide.

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