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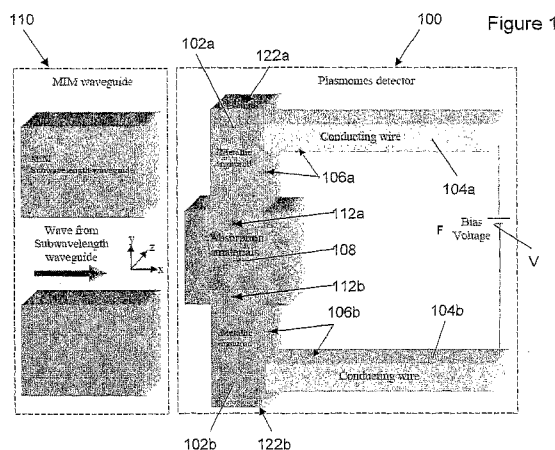
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(54) Title: A PLASMONIC DETECTOR AND METHOD FOR MANUFACTURING THE SAME



(57) Abstract: A plasmonic detector and method for manufacturing a plasmonic detector. The plasmonic detector comprises two nanoscale metallic rods coupled to a bias voltage; a nanoscale cavity formed between adjacent ends of the two nanoscale metallic rods; and an absorption material disposed in the nanoscale cavity for converting an electromagnetic field to an electric current for outputting via the nanoscale metallic rods.