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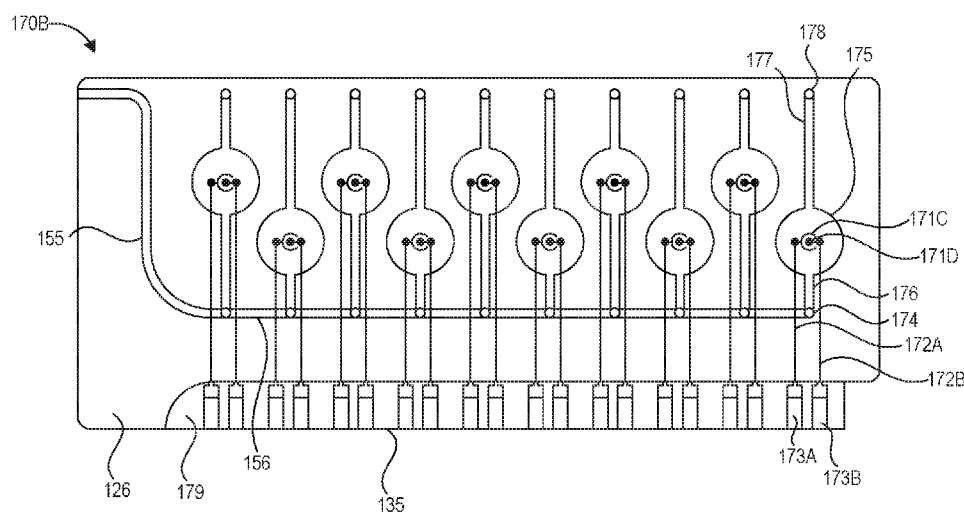


FIG. 1D

(57) Abstract: The present application is generally directed to systems, methods, and devices for diagnostics for sensing and/or identifying pathogens, genomic materials, proteins, and/or other small molecules or biomarkers. In some implementations, a small footprint low cost device provides rapid and robust sensing and identification. Such a device may utilize microfluidics, biochemistry, and electronics to detect one or more targets at once in the field and closer to or at the point of care.

