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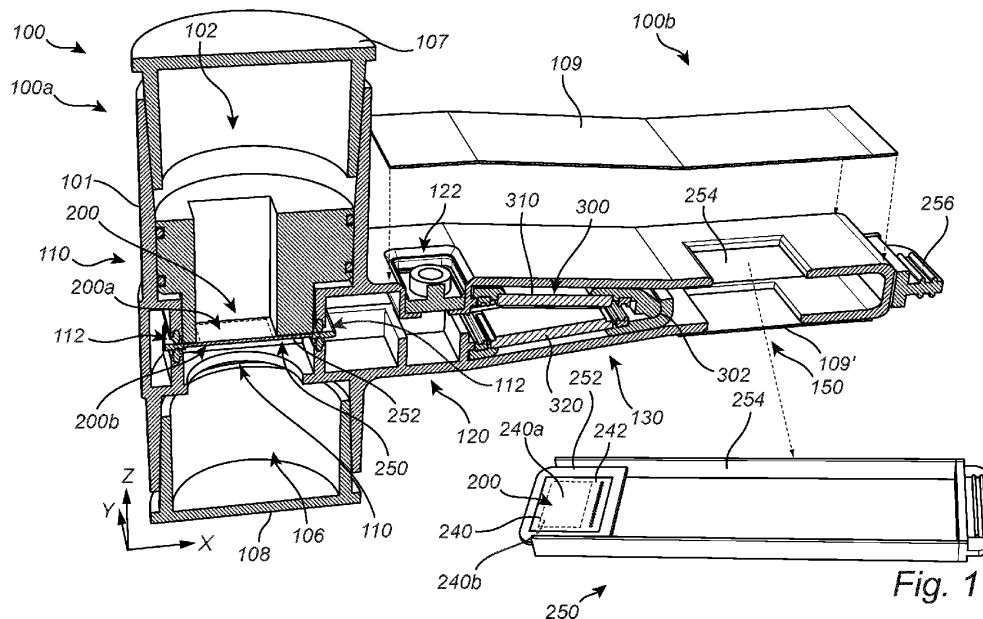
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(54) Title: A SAMPLE COLLECTOR



(57) Abstract: The disclosure relates to a sample collector for collection of airborne particles exhaled by a human being, comprising: a sampling compartment comprising an inlet for receiving a flow of air; a particle capturing substrate configured to capture the airborne particles in the flow of air; an analysis compartment; and a substrate clamping device comprising an optical window and a support member; wherein the sample collector is reconfigurable between a sampling configuration and an analysis configuration, wherein: in the sampling configuration the particle capturing substrate is arranged in the sampling compartment such that passage of the flow of air through the particle capturing substrate is allowed; and in the analysis configuration the substrate clamping device and the particle capturing substrate are arranged in the analysis compartment, the optical window is aligned with an aperture such that optical access to the particle capturing substrate is allowed, and the substrate clamping device is in a closed state such that the particle capturing substrate

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is clamped between the optical window and the support member; and wherein, during reconfiguration from the sampling configuration to the analysis configuration, the substrate clamping device and the particle capturing substrate are configured to be moved together to the analysis compartment while the substrate clamping device is brought to the closed state.