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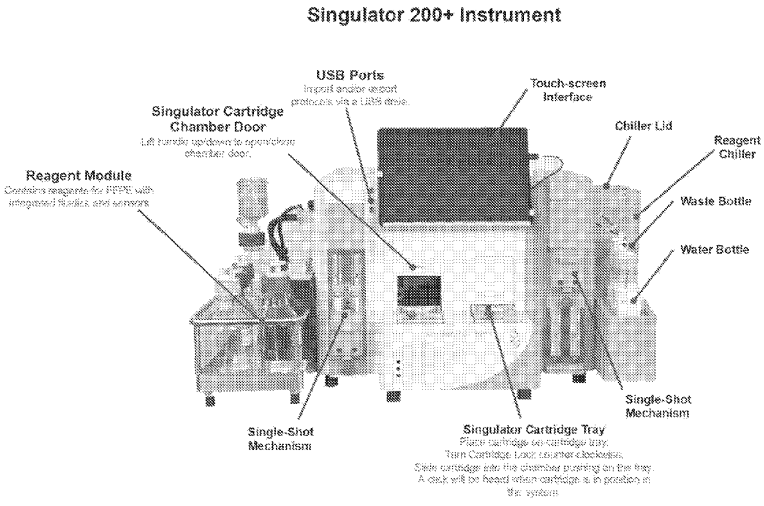
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WO 2025/179189 A1

(54) **Title:** SYSTEM AND METHOD FOR TISSUE ANALYSIS

Figure 29.



(57) **Abstract:** Provided herein are methods and systems for processing preserved tissue and/or dissociating tissue to release cells, nuclei and/or other subcellular organelles. Instruments comprise an interface for engaging cartridges through fluidic lines to introduce or remove liquids from a processing chamber of a cartridge. Systems also include reagent subsystems configured to prevent liquid spills and securely engage fittings between reagent containers and fluidic lines. Systems also include real-time feedback on the pressure on a grinding rotor in a processing chamber of a cartridge.

[Continued on next page]

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