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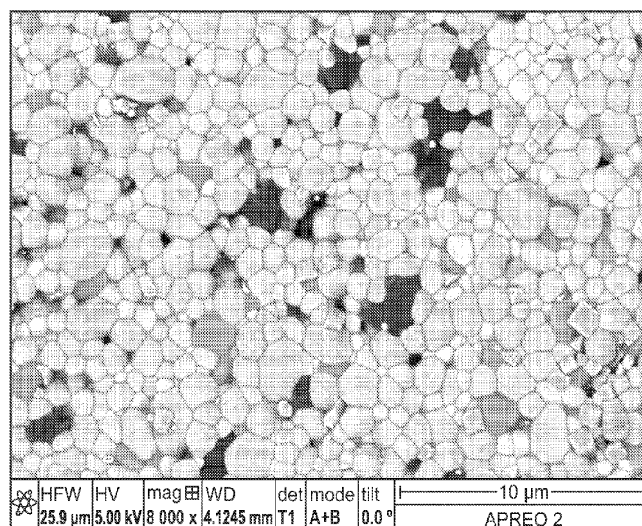


FIG. 5

(57) Abstract: Provided herein are rapid, high quality film sintering processes that include high-throughput continuous sintering of lithium-lanthanum zirconium oxide (lithium-stuffed garnet). The instant disclosure sets forth equipment and processes for making high quality, rapidly-processed ceramic electrolyte films. These processes include high-throughput continuous sintering of lithium-lanthanum zirconium oxide for use as electrolyte films. In certain processes, the film is not in contact with any surface as it sinters (*i.e.*, during the sintering phase).

[Continued on next page]

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