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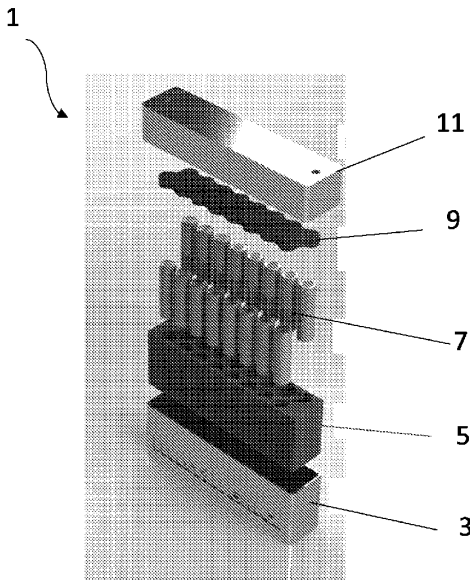
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- (54) **Title:** FIRE PROTECTION AND INSULATION COMPOSITION AND METHOD OF USE THEREOF



[Fig. 6]

(57) **Abstract:** A fire protection and insulation composition comprising: sodium and/or lithium silicate, and additional or other filler or binder material, wherein the composition, when applied to a said battery cell, acts as a thermally conductive coating at normal working temperatures of the battery cell, and wherein the sodium and/or lithium silicate undergoes hydrothermal crystallization into amorphous silica when exposed to higher temperatures such that the coating acts as a thermally insulative barrier for the battery cell.



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