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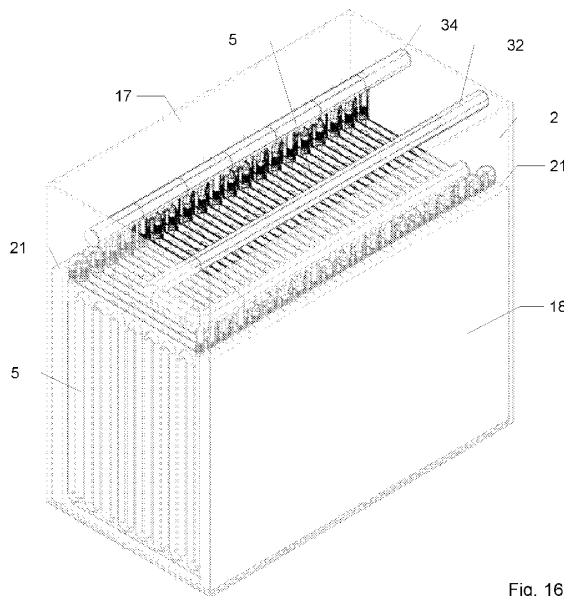


Fig. 16

(57) Abstract: The PCM can have a phase change temperature ranging between approximately 3°C and approximately 27°C. The PCM comprises 35% to 60% by weight of at least one inorganic salt, 1% to 9% by weight of at least one nucleating agent comprises, 1% to 4% by weight of at least one thickening agent and water typically makes up 30% to 66%. The PCM may be used in a thermal battery (1) that includes a tank (2) for housing the PCM. The thermal battery (1) includes a HEX 4 having a plurality of plates (5), each of which defines a fluid flow path (7) extending across the plate (5). The plates (5) are disposed within the tank (2) in a regular array such that the fluid flow path (7) of each plate (5) is disposed within the tank (2) in an alternating offset position relative to those of the adjacent plates.

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