# Patent application (Pending)

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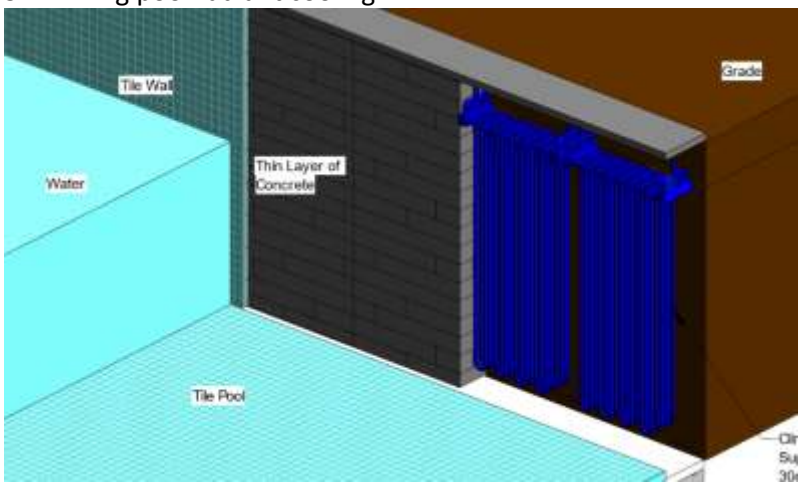
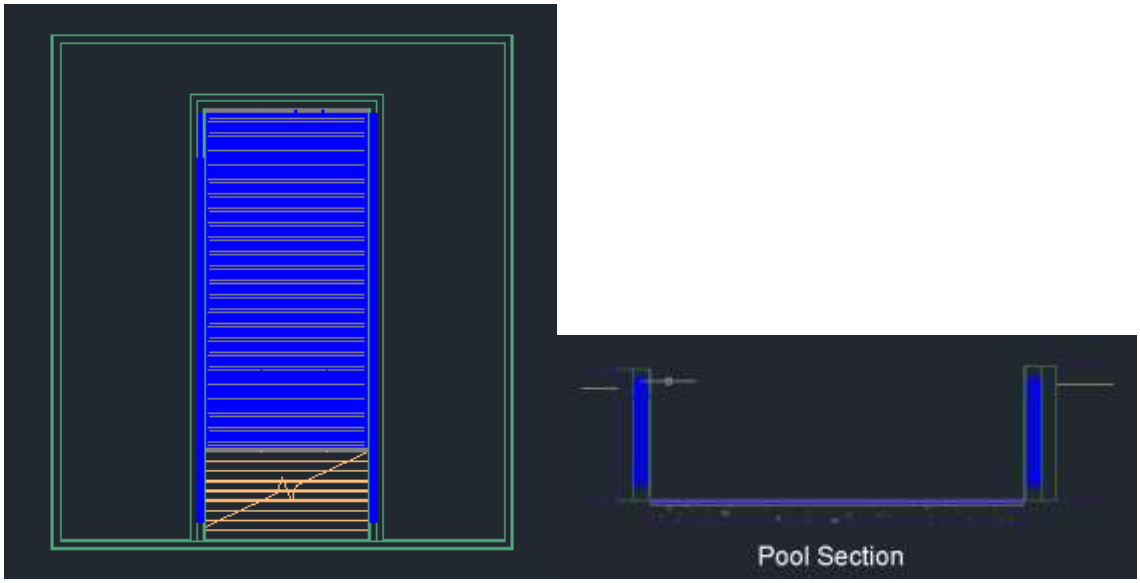
| **Invention Title:** | Smart Cooling System Application |
| **Inventor Name:** | SusPower |
| **Abstract** | Created a sustainable and efficient radiant cooling German capillary tubes to replace the conventional forced air handling unit for Air Conditioning. The SusPower cooling system integrates the patented German cooling capillary tubes adapted to the GCC hot and humid climate. The SusPower cooling system can be used to cool residential, greenhouses, swimming pools, Equestrian Stables floor radiant cooling, container offices, container cold storage. |
| **Background Art** | Swimming pool radiant cooling.<br>  <br><br>Top view of pool- Option 1 (under floor tile)<br>  <br><br>Option 2 - wall cooling<br>Greenhouse farming. |

**Container office Cooling**

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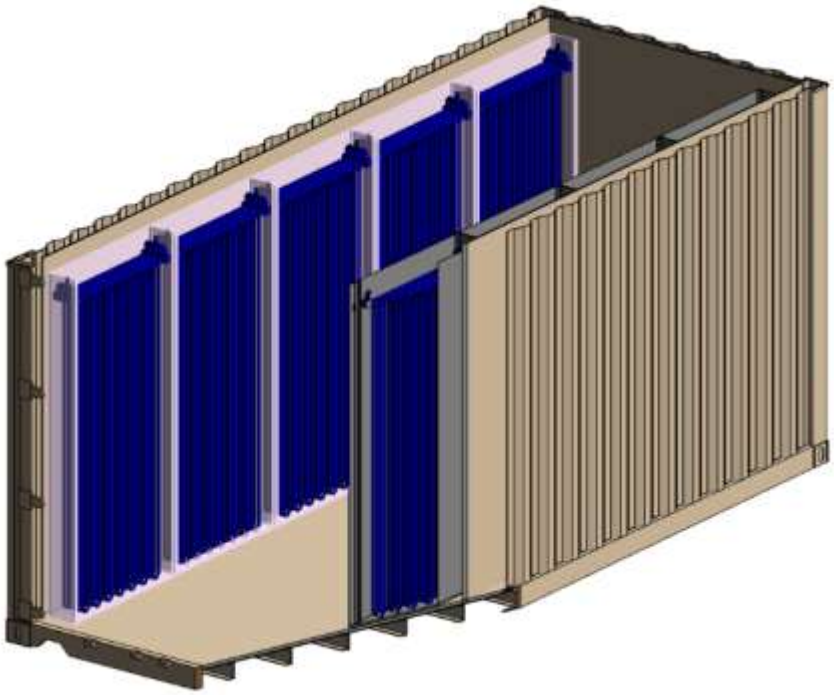
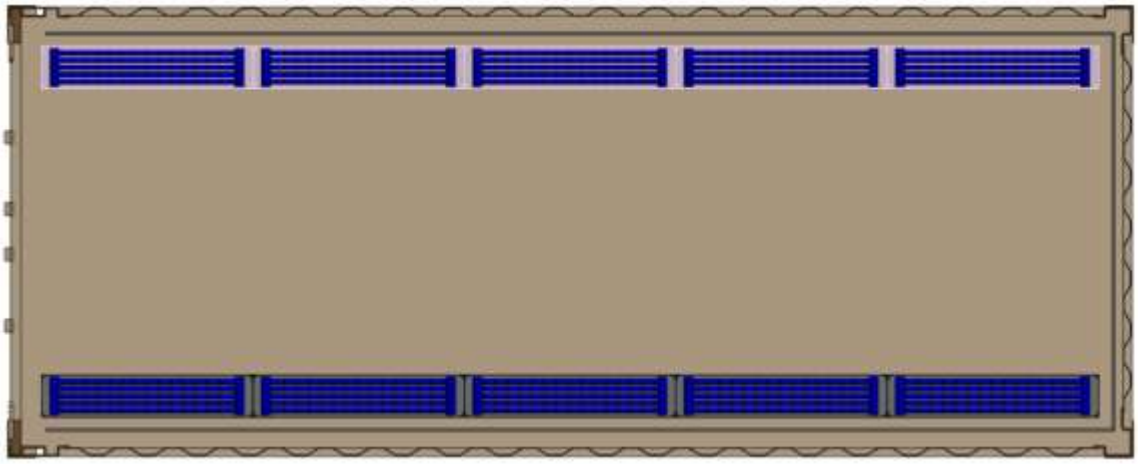
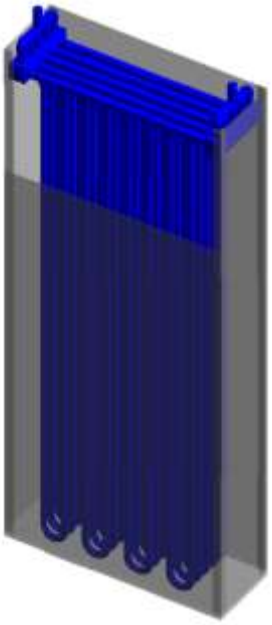
| | **Container Cold Storage**<br>  <br>Container Pan view<br>  <br>SusPower cooling shaft units. Size 1 meter X 2 meters<br>  |
| **Detailed** | The SusPower cooling system can be installed in floors, walls, ceilings and under soil for |

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| **Description** | Greenhouse farming, Equestrian stables, and below slab and in walls of swimming facilities. |
| **Claims** | The SusPower patent is an adaptation of a patented German Capillary system for use in the UAE and GCC region. The German capillary matts have been adapted and redesigned to cool various facilities outlined in the Abstract. |
| **Summary of the drawings** | The design drawings are in CAD and they represent the actual and technical views of each application outlined in the Abstract. There are 10 CAD files showing top views, 3D perspective views and axonometric views to scale. |
| **Drawings** | 1- Container Cold Storgae<br>2- Container offices<br>3- Container for accommodations<br>4- Swimming Pool cooling<br>5- Stable cooling |
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