



WORLD LEADING THERMAL
STORAGE TECHNOLOGY

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Sunamp patents

Sunamp has protected their technology in wide range of global patents based on the following patent applications which currently comprises 69 granted patents and 100 pending applications:

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|---------------------------|---|
| WO 2009/138771 | Energy Storage |
| WO 2011/058383 | Energy Storage System |
| WO 2014/202974 | Solutions for Storage Combination Boilers |
| WO 2014/195691 | Improved Phase Change Materials |
| WO 2014/191778 | Battery Assembly |
| WO 2015/025175 | Strontium Bromide Phase Change Material |
| WO 2017/221025 | Phase Change Material – Based Enhancement for Reversed Cycle |
| WO 2018/220378 | Activation Crystallisation Control in Phase Change Thermochemical Systems |
| WO 2019/171087 | Heat Pumps |
| WO 2020/074883 | Calcium Nitrate Tetrahydrates as Phase Change Material |
| WO 2020/021288 | Internally Heated Electrical Heat Battery |
| WO 2020/065353 | Heat Battery Design |
| WO 2020/161507 | Phase Change Materials (PCMs) with Solid to Solid Transitions |
| WO 2021/245401 | Sanitary Stations with Phase Change Materials |
| PCT/GB 2022/050541 | Sub-Zero PCMs with Multiple Nucleation Events |
| GB 2003653.9 | Thermal Storage Units |
| GB 2112550.5 | Insulation Material |
| GB 2102248.8 | Sub-Zero PCMs with Multiple Nucleation Events |
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| GB 2106949.7 | Tri Methylol Ethane (TME) as PCM |
| GB 2110539.0 | Liquefaction of Phase Change Material Production |