

Patent search report for technical solutions

Report generation date

2024-05-30

Troubleshooting Technical Essentials

Technical means: expanded perlite containing phase change materials

Technical effects: energy storage in construction



Check Scope

IP 5

 United States (US)  China (CN)  EPO (EP)  Japan (JP)  Korea (KR)

Main Authority

 WIPO (WO)  Austria (AT)  Australia (AU)  Belgium (BE)  Benelux (BX)

 Canada (CA)  Switzerland (CH)  Germany (DE)  Denmark (DK)  Spain (ES)

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Other Authority

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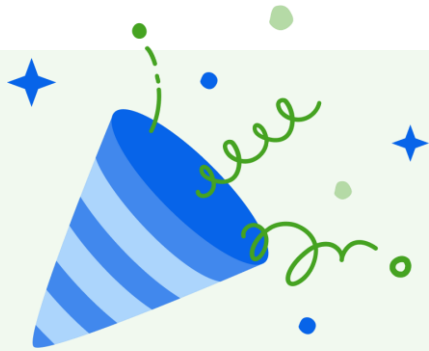
 Armenia (AM)  Angola (AO)  ARIPO (AP)  Argentina (AR)  Aruba (AW)

+ 127

List of similar patents

| No. | Publication number | Similarity | Patent title | Related part | Publication date |
|-----|--------------------|------------|---|--------------------------------|------------------|
| 1 | US5875835A | 55.92% | Thermal filtering system | | 23 Feb 1996 |
| 2 | CN113788648A | 51.86% | Shaping phase change material for building and application... | paragraph 10,42,11 | 29 Sep 2021 |
| 3 | CN107892512A | 46.23% | Method for preparing phase-change paraffin composite expanded... | paragraph 3,54,71 claims 2 | 13 Nov 2017 |
| 4 | US11530880B2 | 44.77% | Phase-change energy-storage structure for building insulation | claims 8 | 20 Nov 2017 |
| 5 | US9279075B2 | 41.70% | Phase change material-containing composition and related... | claims 1 | 15 Apr 2011 |
| 6 | US20170096590A1 | 41.50% | Form stabilized phase change compositions | paragraph 64,20,62 claims 3 | 02 Oct 2015 |
| 7 | WO2002008353A2 | 40.27% | Latent heat storage material, sound absorber and biofilter | | 09 Jul 2001 |
| 8 | CN101096298A | 40.21% | Organic phase-change composite expanding perlite and preparation... | claims 2,1,4 | 28 Jun 2006 |
| 9 | US10899665B2 | 39.15% | Hydrophobic construction material | paragraph 30 | 30 Jun 2017 |
| 10 | CN115143557A | 32.95% | Cold and heat storage radiation plate based on non-eutectic... | paragraph 3 | 07 Jul 2022 |

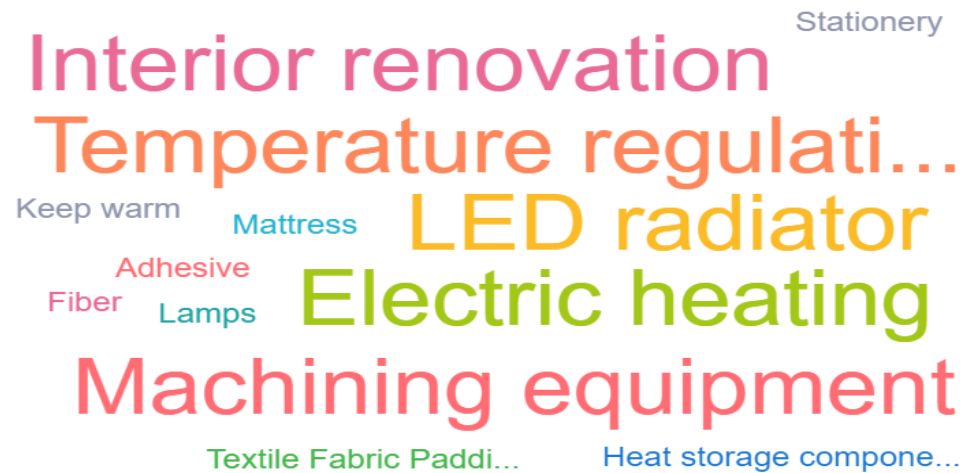
Analysis results



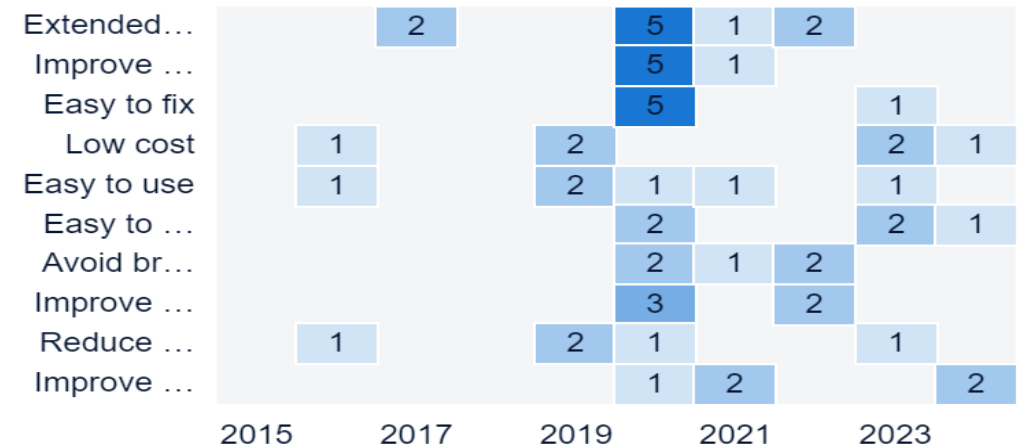
Your technical proposal exhibits a certain level of creativity and demonstrates noticeable distinctions from the prior art. This indicates that your proposal is more innovative compared to existing technologies. You may also consider optimizing the technical proposal based on the investigation results.

Technical monitoring suggestions

The company "PHASE CHANGE TECH" that is most similar to your technical solution mainly focuses on technology and product research and development in Heating equipment



In addition to focusing on the technical effects of "Extended service life" In addition to focusing on the technical effects of Low cost



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