



Grid-Scale Concentrated Solar Thermal: Thermal Energy Storage Technologies

REPORT DETAILS

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Release Date: February 2009

Patents In Landscape: 221

Base Patents: 122

Number of Pages: 100

Full Patents Included: 43

SCOPE

This patent-centric competitive intelligence report identifies key patents, companies and inventors in the grid-scale concentrated solar thermal (CST) thermal energy storage space. The report also analyzes the level of patent protection, including claims assessments, technology breadth and licensing agreements for key CST players.

WHY BUY THIS REPORT

- Discover key companies, research institutions and inventors
- Gain insight into patent filing strategies
- Assess the competitive landscape
- Identify acquisition and licensing candidates
- Determine the fundamental patents in the CST thermal energy storage space
- Understand how this emerging technology space is evolving

USEFUL FOR

- Competitive Intelligence Experts
- Venture Capital & Private Equity Investors
- Patent Information Specialists
- Research Scientists
- Patent Attorneys
- M&A Analysts

HIGHLIGHTS

- Key Patents, companies and inventors identified
- Patent velocity, geography and citation analysis
- Patent grouping by technology focus
- Claims analyzed for breadth and depth
- Includes searchable PDF versions of key patents

DATA ANALYZED

Targeted searches of patents and applications published from 1981-2008:

- United States Patent and Trademark Office
- European Patent Office
- World Intellectual Property Office
- Japanese Patent office

CST TECHNOLOGIES COVERED

Parabolic, Fresnel, power-tower, and dish-engine

STORAGE METHODS DISCUSSED

Molten salt, thermocline, phase-change materials, compressed steam, water, concrete, cement, rock, ammonia, carbon dioxide, and graphite

PLAYERS HIGHLIGHTED

Abengoa, Airlight Energy, Ausra, Australian National University, Bell Independent Power, BrightSource, City University of New York, eSolar, Infinia, Jasper Energy, Larkden, Lloyd Energy Storage, MeV Technology, NREL, Rocketdyne, Sandia, SENER, SkyFuel, Solargenix, Solar Millennium, Solar Power Group, SolarReserve, Solel, Sopogy, Stirling Energy Systems, United Technologies, Wizard Power, Yeda R&D, among others