



*Leader in Patent Analysis and Transaction Advisory Services*

# Smart Home Energy Management

## Patent Acquisition Opportunity

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### **GTT Group Contacts**

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# Smart Home Energy Management Portfolio



## Patents

10 US Patents

## Relevant Markets

Smart Homes & Buildings  
Power Use Management  
Power Storage

## Making an Offer

Interested parties should make an offer as soon as they are able. Offers will be reviewed as they are received.

## Contact GTT Group

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## Opportunity Summary

- GTT Group is exclusively representing the sale of the Smart Home Energy Management Portfolio.
- The portfolio contains 10 US patents.
- The inventions in the portfolio generally relate to energy and power management for smart homes and smart buildings.
- Applications of the claimed invention include using a connected device (e.g. smartphone or laptop) to:
  - adjust power usage;
  - monitor and track power usage; and
  - to manage and monitor battery storage.
- The features covered by this portfolio enable users to control costs and manage efficiency and are important components of the smart home and smart building landscape.

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## Energy Management in Smart Homes

- Homes and buildings are being filled with connected devices that are enabling users to control every aspect of their home including entertainment, security and energy management.
- Energy Management Systems (EMS) provide an interface for users to control how their home consumes energy in order to reduce costs and promote energy efficiency.
- For example, a user could manage their high-energy appliances so they only operate in non-peak energy times.
- EMS solutions also provide control to users who have home power generation capabilities (e.g. solar) or energy storage solutions.
- The EMS market is expected to reach \$76B by 2021, up from \$32B in 2016. EMS in the home is the fastest projected growing segment of the market.
- The Energy Management System Portfolio being represented by GTT Group includes inventions that relate to the core capabilities of EMS.



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## Portfolio Summary

**Earliest Priority Date:** October 4, 2011

**Average Life Left:** 15 Years

**Technology Tags:** Home Automation; Smart Devices; Smart Home; Proxy Server; Gateway; WiFi; Protocol Translation; Battery Charging; Lighting Control; Home Security; Power Supply

### Portfolio Summary

This portfolio relates to energy management systems (EMS) that can be controlled from a connected device (e.g. smartphone or laptop). Inventions in the portfolio cover core capabilities in EMS, including:

- A secure control interface that is compatible with various wireless protocols;
- Methods for coordinating network functionality, allowing the status of smart devices (for example light switches, power switches, or environment controllers) to be displayed, as well as the activation, modulation or deactivation of the smart devices as needed;
- Methods to mediate and relay data traffic among home automation devices that communicate in different communication protocols; and
- Methods for automating and controlling the charge/discharge cycles of batteries, optimizing battery life span and use.

### Market Applicability

The inventions are applicable to smart home/building systems that provide energy management capabilities. These systems provide users with the ability to control electrical power to appliances and other electrical loads from their mobile or computing devices. They also provide users with a way to manage their power generation systems or energy storage systems.



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## Transaction Structure

Seller prefers an all-cash transaction.

## Bidding

Interested parties are encouraged to make an offer as soon as they are able. Offers will be reviewed and responded to promptly. Priority will be given to offers received first.

## Submitting an Offer

Offers should be submitted in writing from an authorized party stating the price offered and any material condition(s) to closing.

## Pricing

No price floor has been set. Seller reserves the right to accept any offer and refuse any and all offers in its sole and arbitrary discretion. GTT Group is able to provide value guidance to qualified interested parties.

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## Non-Notice

Seller has agreed that the information provided to prospective purchasers throughout this sales campaign will not be used in any legal or administrative proceeding directed to enforcement of any patent associated with the Smart Home Energy Management Portfolio.

## Encumbrances

There are no encumbrances.