

**IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF TEXAS  
MARSHALL DIVISION**

CLEAN ENERGY MANAGEMENT  
SOLUTIONS, LLC,

Plaintiff,

v.

ABB INC.,

Defendant

**JURY TRIAL DEMANDED**

**COMPLAINT**

For its Complaint, Plaintiff Clean Energy Management Solutions, LLC ("Clean Energy"), by and through the undersigned counsel, alleges as follows:

**THE PARTIES**

1. Clean Energy is a Texas limited liability company with a place of business located at 1400 Preston Road, Suite 475, Plano, Texas 75093.

2. Defendant ABB Inc. is a Delaware corporation with, upon information and belief, a place of business located at 222 West Las Colinas Boulevard, Irving, Texas 75039.

3. Upon information and belief, Defendant has registered with the Texas Secretary of State to conduct business in Texas.

**JURISDICTION AND VENUE**

4. This action arises under the Patent Act, 35 U.S.C. § 1 *et seq.*

5. Subject matter jurisdiction is proper in this Court under 28 U.S.C. §§ 1331 and 1338.

6. Upon information and belief, Defendant conducts substantial business in this

forum, directly or through intermediaries, including: (i) at least a portion of the infringements alleged herein; and (ii) regularly doing or soliciting business, engaging in other persistent courses of conduct and/or deriving substantial revenue from goods and services provided to individuals in this district.

7. Venue is proper in this district pursuant to §§ 1391(b), (c) and 1400(b).

### **THE PATENT-IN-SUIT**

8. On June 10, 2003, U.S. Patent No. 6,577,962 (the "'962 patent"), entitled "System and Method for Forecasting Energy Usage Load," was duly and lawfully issued by the U.S. Patent and Trademark Office. A true and correct copy of the '962 patent is attached hereto as Exhibit A.

9. An inventive concept of the '962 patent greatly enhances the ability to forecast energy usage load for a facility. It improves energy load forecasting by, among other things, allowing for dynamic, real-time energy load forecasting for a site.

10. The claims of the '962 patent, moreover, describe a solution necessarily rooted in computer technology to solve a problem specifically arising in the realm of energy management. The patent specification, for example, explains how conventional methods were not capable of adapting the forecasting model to changing operational conditions, and instead, incremental improvement of the model required off-line reprocessing of the entire set of available data and then recalculating forecasting models; such off-line reprocessing required system downtime to update the forecasting models appropriately, and consequently, facilities generally could not receive up-to-date forecasting information as needed to adequately manage energy usage and control costs. Additionally, conventional load forecasting systems were primarily used by utilities for predicting aggregate energy load (i.e., the energy load of a region or a market sector),

and were generally incapable of predicting site-level load forecasts because they could not adapt to variable changing conditions in real-time so that the forecasts did not change based on changing conditions. The '962 patent overcame these difficulties, among others, by using a load forecasting application that includes a parameter identification module for determining periodic energy load usage and a load prediction module for generating energy usage load forecast profiles; and the load forecast profiles may be updated periodically to reflect changing conditions.

11. Clean Energy is the assignee and owner of the right, title and interest in and to the '962 patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

**COUNT I – INFRINGEMENT OF U.S. PATENT NO. 6,577,962**

12. Clean Energy repeats and realleges the allegations of paragraphs 1 through 11 as if fully set forth herein.

13. Without license or authorization and in violation of 35 U.S.C. § 271(a), Defendant is liable for infringement of at least claim 1 of the '962 patent by making, using, importing, offering for sale, and/or selling, systems and methods for forecasting energy usable load, including, but not limited to, ABB Energy Manager Software with Energy Management and Optimization Solution ("Energy Manager").

14. More specifically and upon information and belief, Defendant's Energy Manager is a system for forecasting energy usage load for a facility. *See* <http://new.abb.com/cpm/energy-manager/industrial-energy-load-planning-forecasting-scheduling> (last accessed Mar. 1, 2017)); *see also* Energy Manager Management System (with wireless energy data collection) ("Design Description") at § 2.1 (available at [http://www.frscontrols.com/med/document/Note\\_Wireless-](http://www.frscontrols.com/med/document/Note_Wireless-)

Energy-Management-System-1-3.pdf (last accessed Mar. 27, 2017)). It uses a server with a load forecasting application, *see* Design Description at § 2.2, and determines periodic energy load usage of a facility. *See id.* at § 2.1; *see also* Energy Management Solution for the Process Industry: Energy Management and Optimization at p. 4 (available at [https://library.e.abb.com/public/5e48efb88a7e1cbac125734600737b02/3BFI405000R4001\\_en\\_Energy\\_Management\\_and\\_Optimization\\_3.5.pdf](https://library.e.abb.com/public/5e48efb88a7e1cbac125734600737b02/3BFI405000R4001_en_Energy_Management_and_Optimization_3.5.pdf) (last accessed Mar. 27, 2017)). Energy Manager has a load prediction module for generating energy usage load forecasts in real-time, *see id.* at pp. 2, 4, and it includes a database (e.g., "RTDB") that contains matrices which are associated with parameter identification and load prediction. *Id.* at p. 6.

15. Clean Energy is entitled to recover from Defendant the damages sustained by Clean Energy as a result of Defendant's infringement of the '962 patent in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

#### **JURY DEMAND**

Clean Energy hereby demands a trial by jury on all issues so triable.

#### **PRAAYER FOR RELIEF**

WHEREFORE, Clean Energy requests that this Court enter judgment against Defendant as follows:

- A. An adjudication that Defendant has infringed the '962 patent;
- B. An award of damages to be paid by Defendant adequate to compensate Clean Energy for Defendant's past infringement of the '962 patent and any continuing or future infringement through the date such judgment is entered, including interest, costs, expenses and an accounting of all infringing acts including, but not limited to, those acts not presented at trial;

C. A declaration that this case is exceptional under 35 U.S.C. § 285, and an award of Clean Energy's reasonable attorneys' fees; and

D. An award to Clean Energy of such further relief at law or in equity as the Court deems just and proper.

DATED: Wednesday, March 1, 2017

*/s/ Richard C. Weinblatt*  
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