EXHIBIT A-27

Exhibit A-27

Invalidity Claim Chart for U.S. Patent No. 10,534,382 ("the '382 patent")

U.S. Patent No. 8,196,185 (Geadelmann)

Claims 1–20 of the '382 patent are anticipated and/or rendered obvious by Geadelmann alone or in combination with any of the other references identified in these contentions, including those in Exhibit B hereto.

Geadelmann was filed on Aug. 27, 2007, published on March 5, 2009, and issued on June 5, 2012. Geadelmann is prior art under at least pre-AIA 35 U.S.C. § 102 (a) and (e).

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Claim 1	
1. A system for controlling an HVAC system at a user's building, the system comprising:	To the extent that the preamble is limiting, Geadelmann discloses, expressly or inherently, a "system for controlling an HVAC system at a user's building." *See, e.g.,* Abstract. An HVAC control system that accommodates and/or facilitates control from a remote location. The HVAC control system may include a web-enabled building control appliance having a controller, a first port and a second port. The controller may implement a web server that is coupled to the first port for serving up one or more web pages on a first network and for receiving a number of responses. The controller may also be coupled to the second port so as to communicate with one or more communicating thermostats via a second network. The web server may be adapted to provide an overview or summary web-page via the first port that displays information regarding the one or more thermostats, where the information that is displayed may be customized for a particular user.
1[a] a memory; and one or more processors with circuitry and code designed to execute instructions;	Geadelmann discloses, expressly or inherently, "a memory; and one or more processors with circuitry and code designed to execute instructions." *See, e.g.,* 3:35-48. FIG. 1 is a schematic view of an illustrative HVAC control system 10 that may be configured to permit an individual to view and/or configure various aspects

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	of operation of an HVAC system from a remote location. The illustrative HVAC control system 10 includes a building control appliance 12 having a first port 14 and a second port 16. A first network 18 may be in communication with first port 14 and/or a second network 20 may be in communication with second port 16. As will be discussed, first network 18 may, for example, provide communication between building control appliance 12 and a broader, potentially external network while second network 20 may, for example, provide communication between building control appliance 12 and one or more components of an associated HVAC system. *See, e.g.* 4:38-46. HVAC control system 10 is shown as including a PC (personal computer) 34. As will be discussed in greater detail subsequently, PC34 may permit a user to view web pages that are provided by building control appliance 12. In some cases, PC 34 may be a desktop computer or a notebook (laptop) computer. In some instances, PC 34 may not be a traditional computer but may instead be a device that is adapted to display web pages, such as a cell phone or a personal digital assistant (PDA). *See, e.g.,* 4:47-59. FIG. 2 provides further illustration of the illustrative building control appliance 12 of FIG.1. The illustrative building control appliance 12 includes a controller 36 that includes or otherwise implements a web server 38. Controller 36 is coupled to a first port 14 and a second port 16. In the illustrative embodiment, first port 14 provides a connection between controller 36 and first network 18 (see FIG. 1), and second port 16 provides a connection between controller 36 and second network 20 (FIG. 1). In some cases, controller 36 may be programmed with a control algorithm that issues commands to the thermostats 26, 28, 30, and 32 via second network 20 to activate and/or deactivate HVAC equipment that is connected to thermostats 26, 28, 30, and 32.
1[b] the one or more processors with circuitry and code designed to execute instructions to receive a first data from at least one sensor, wherein the first data from the at least one sensor includes a	Geadelmann discloses, expressly or inherently, "the one or more processors with circuitry and code designed to execute instructions to receive a first data from at least one sensor, wherein the first data from the at least one sensor includes a measurement of at least one characteristic of the building."

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measurement of at least one characteristic of the building;	*See, e.g.,* 5:4-18. In some instances, web server 38 of building control appliance 12 may be adapted to provide a Summary web page (see FIG. 3B), via first port 14, that displays information pertaining to one or more of the thermostats. In some cases, the Summary web page may include information pertaining to two or more thermostats. This may include, for example, two or more of first thermostat 26, second thermostat 28, third thermostat 30 and/or fourth thermostat 32. The particular information that is displayed may be customized for a particular user and/or user class. Controller 36 may be adapted to receive sensor information from the thermostats via second network 20. In some cases, controller 36 may be programmed with a control algorithm that issues commands to the thermostats via second network 20 to activate or deactivate HVAC equipment that is connected to the thermostats. *See, e.g.,* 5:35-64. A variety of information may be displayed on the Summary web page. Examples of information include but are not limited to one or more of a thermostat identifier for one or more of the thermostats, a current inside temperature reported by one or more of the thermostats, a current outside temperature, a current set point for one or more of the thermostats, a schedule related parameter for one or more of the thermostats, a humidity related parameter that is reported by one or more of the thermostats, a current operating mode of HVAC equipment that is connected to one or more of the thermostats, an alarm related parameter for one or more of the thermostats, a discharge air temperature of HVAC equipment that is connected to one or more of the thermostats, a plenum related pressure of HVAC equipment that is connected to one or more of the thermostats, a relay output related parameter of HVAC equipment that is connected to one or more of the thermostats, a lockout status of HVAC equipment that is connected to one or more of the thermostats; a fan switch status of HVAC equipment that is connected to one or more of the thermostats, a throttle range of HVAC equipment that is connected to one or more of the thermostats, an integral time of the control algorithm used to control the HVAC equipment that is connected to one or more of the thermostats, a derivative time of the control algorithm used to control the HVAC equipment that is connected to one or more of the thermostats, and an anticipator authority of the control algorithm used to control the HVAC equipment that is connected to one or more of the thermostats. These are only

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	examples, and it is contemplated that any Suitable information may be included on the Summary web page, as desired. *See, e.g.,* 23:19-32. In use, a thermostat may employ one or more external sensors such as temperature sensors. In many cases, the external temperature sensors are provided having a particular resistance. An installer typically needs to know how to connect the external temperature sensors (which sensors should be used, and which sensors should be connected in series and/or which sensors should be connected in parallel) in order to provide the thermostat with an expected resistance. In some illustrative embodiments, web server 38 may serve up one or more web pages that prompt user (installer or the like) to provide information pertaining to the external temperature sensors (if any) that will be used with the particular thermostat, and in Some cases, the number of remote sensors that will be used.

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