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(54) **METHOD AND APPARATUS FOR CONTROLLING BUILDING COMPONENT CHARACTERISTICS**

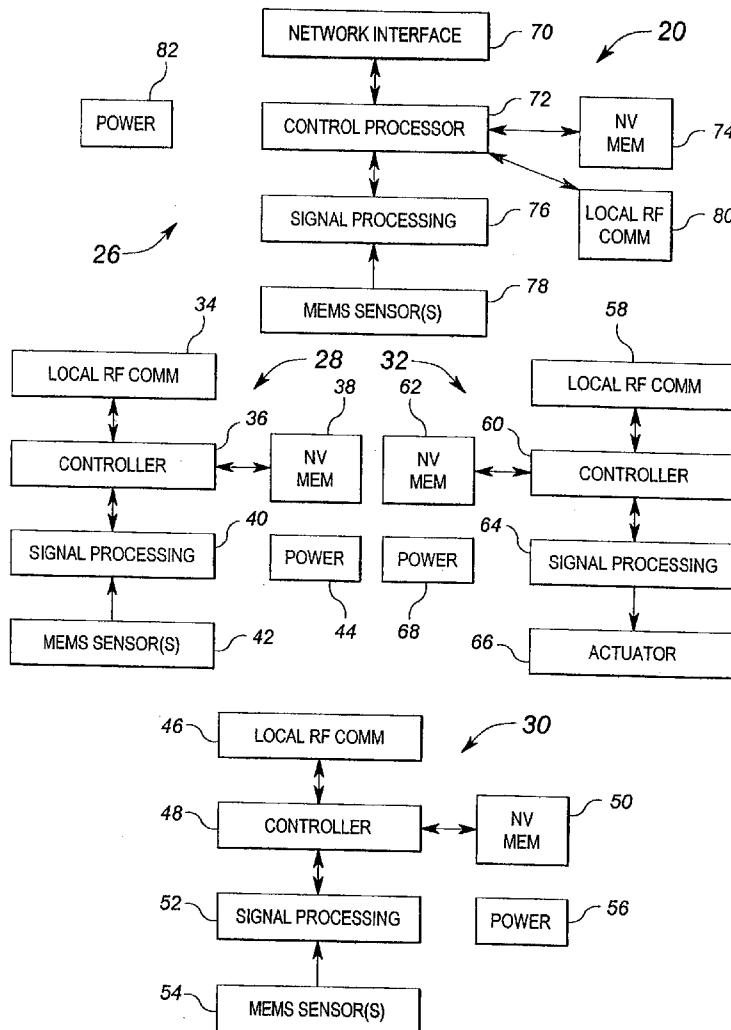(76) Inventor: **Osman Ahmed**, Hawthorn Woods, IL (US)

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(57) **ABSTRACT**

A building component system includes a building component that is controllable between a first state and a second state in response to a sensed condition. The system may include a sensor on a first side of the building component and a sensor on the second side of the building component. The building component may be a window that is controllable between an opaque state and a clear state by a micro electromechanical system (MEMS) network that senses the conditions on both sides of the window.

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14

WIRELESS AREA
NETWORK SERVER

OTHER
ELEMENTS

24

DTP
CONTROL
SUBSYSTEM

16

WINDOW
CONTROL
SUBSYSTEM

22

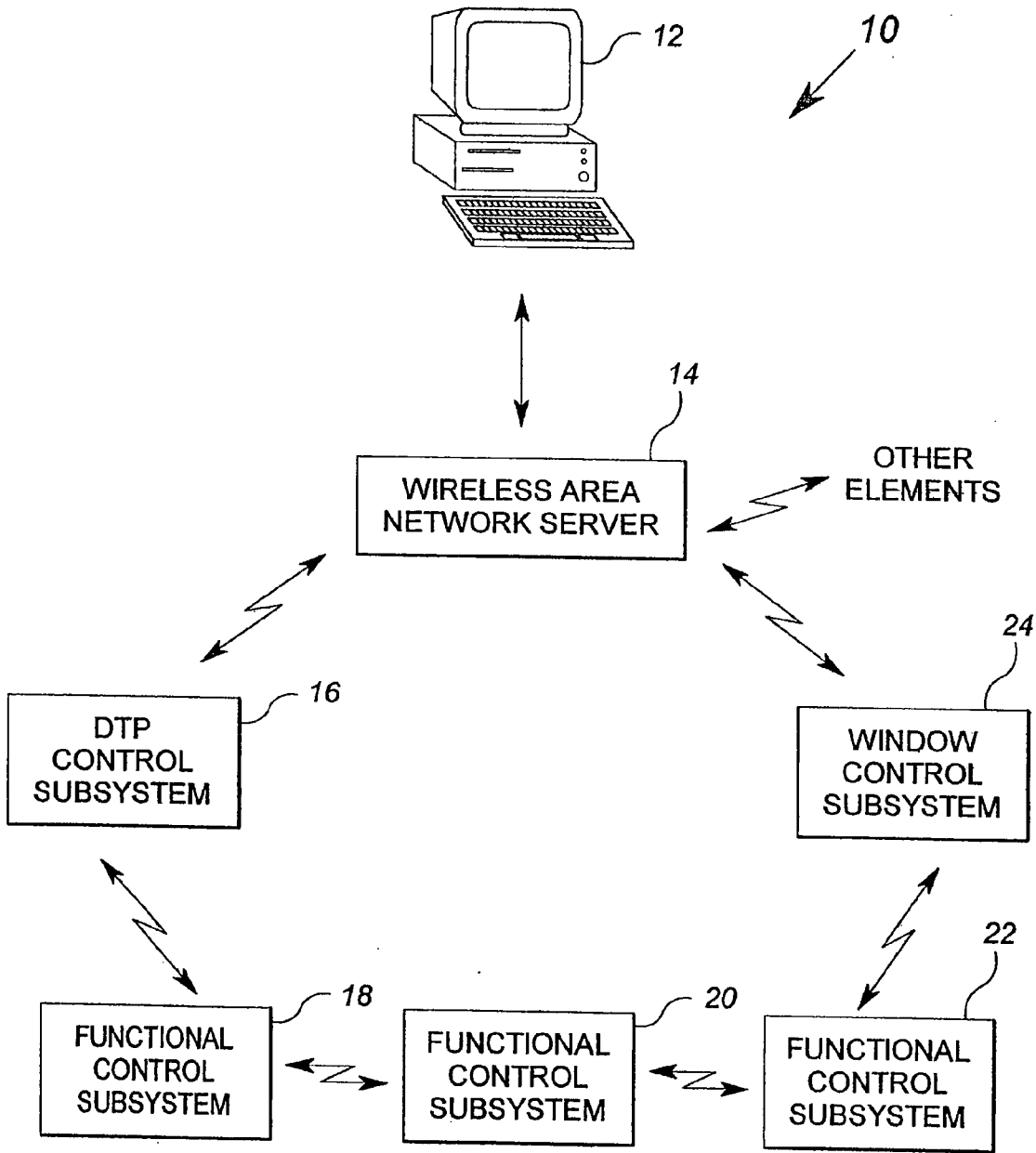FUNCTIONAL
CONTROL
SUBSYSTEM

18

FUNCTIONAL
CONTROL
SUBSYSTEM

20

FUNCTIONAL
CONTROL
SUBSYSTEM

FIG. 1

FIG. 2

FIG. 4

FIG. 3

FIG. 5

DOCKET ALARM
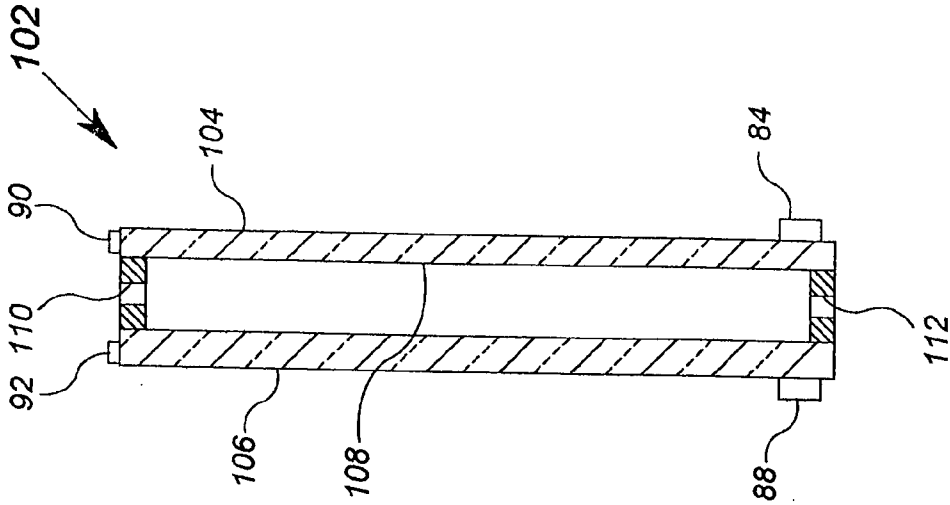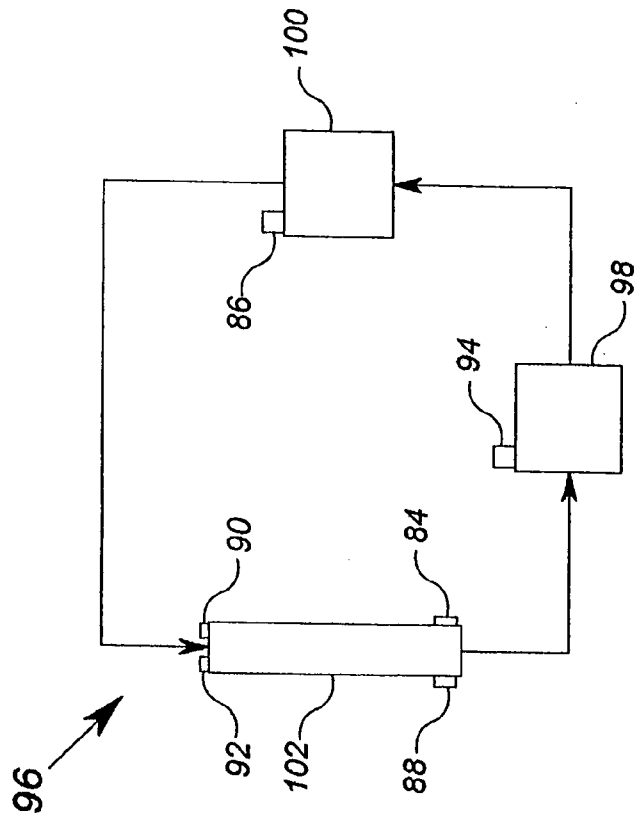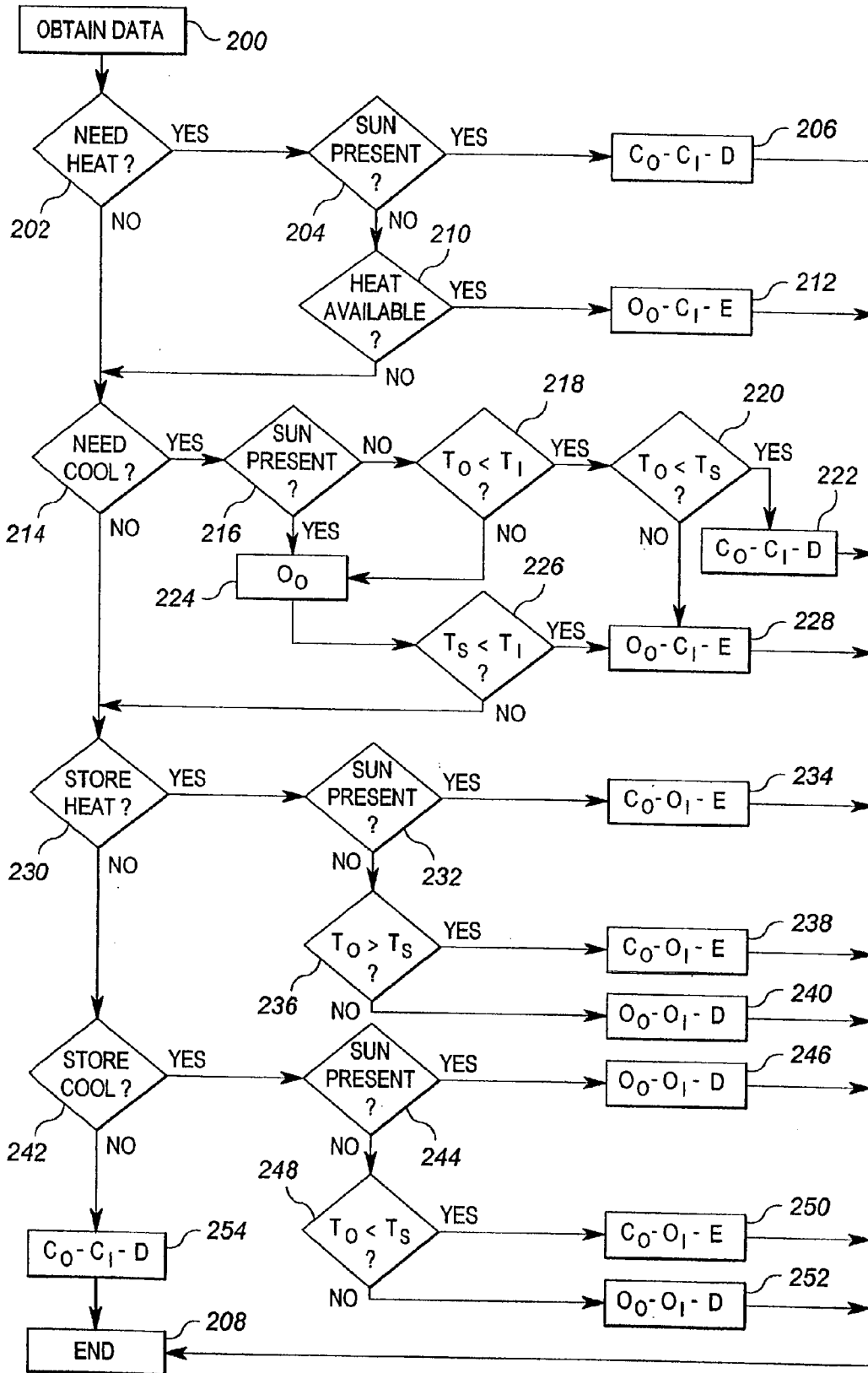
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