

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 March 2007 (08.03.2007)

PCT

(10) International Publication Number
WO 2007/027600 A1

(51) International Patent Classification:

A62C 37/11 (2006.01)

(21) International Application Number:

PCT/US2006/033518

(22) International Filing Date: 29 August 2006 (29.08.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11/213,940

30 August 2005 (30.08.2005) US

(71) Applicant (for all designated States except US): **FEDEX CORPORATION** [US/US]; 3620 Hacks Cross Road, Building B, Third Floor, Memphis, Tennessee 38125 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **POPP, James B.** [US/US]; 7973 Germantown Road, Olive Branch, Mississippi 38654 (US). **BENJAMIN, Arthur J.** [US/US]; 2562 Meadow Run Street, Germantown, Tennessee 38138-6254 (US).

(74) Agent: **GARRETT, Arthur S.; FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP**, 901 New York Avenue, Nw, Washington, DC 20001-4413 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available):

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available):

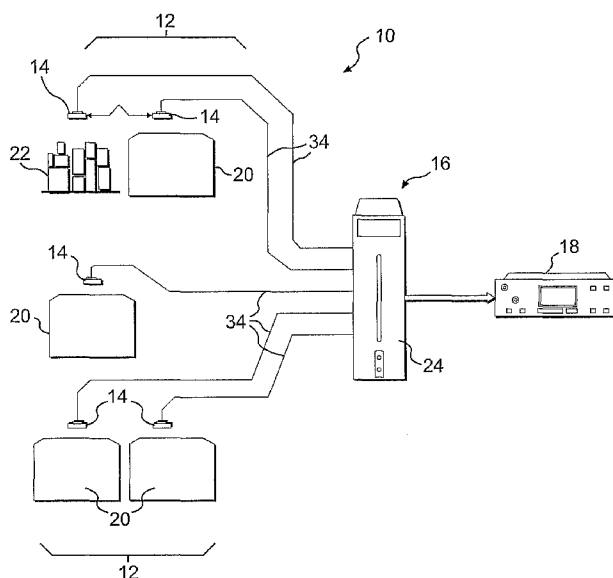
ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FIRE SENSOR, FIRE DETECTION SYSTEM, FIRE SUPPRESSION SYSTEM, AND COMBINATIONS THEREOF



(57) Abstract: A combination fire detection and fire suppression system may include a fire detection system configured to detect an undesirably high temperature associated with an area. The fire detection system may include a temperature sensor including a temperature sensor array and a fire alerting system associated with the temperature sensor. The fire alerting system may be configured to receive information from the temperature sensor and generate a warning signal based on an undesirably high temperature associated with the area. The fire detection system may include a fire control panel configured to receive the warning signal. The system may also include a fire suppression system including a fire suppressant delivery system configured to provide at least one fire suppressant agent to the area associated with the undesirably high temperature.

WO 2007/027600 A1