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(71) Applicant (for all designated States except US):
SKYVENTURE, LLC [US/US]; 7751 Kingspointe
Parkway, Suite 126, orlando, FL 32819 (US).

(71) Applicant and

(72) Inventor: **METNI, Alan, N.** [US/US]; 8847 Cypres Re-
serve Circle, Orlando, FL 32836 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KITCHEN,**
William, J. [US/US]; 8815 Southern Breeze Drive, Or-
lando, FL 32836 (US). **MORT, Kenneth, W.** [US/US];

2047 Shafer Ave, Morgan Hill, CA 95037 (US). **EAST-
LAKE, Charles, N.** [US/US]; 6080 Rutters Rd., Port
Orange, FL 32127 (US). **PALMER, Michael, J.** [US/US];
17 Alnhus Street, Poquoson, VA 23662 (US).

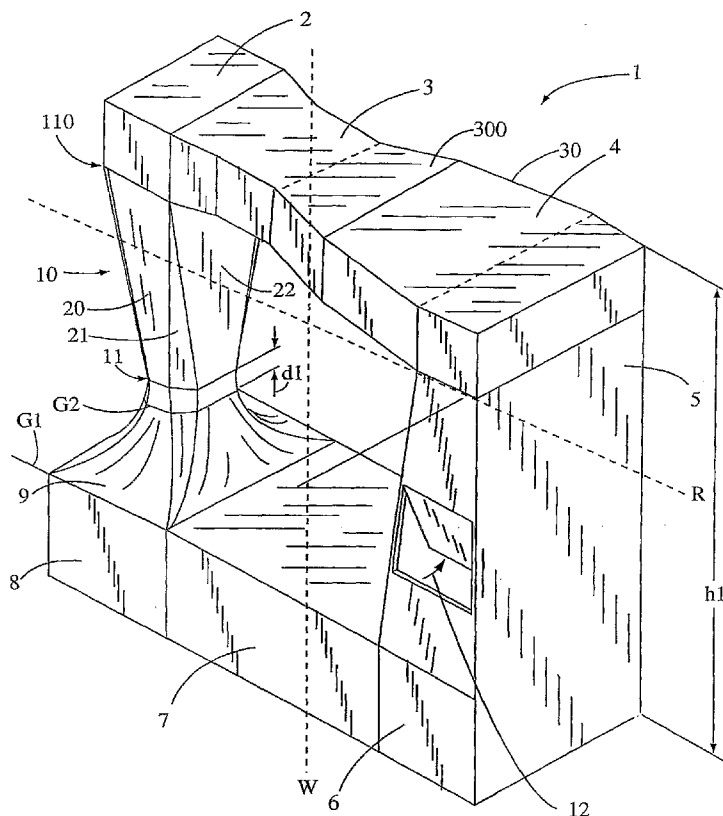
(74) Agent: **POLSON, Margaret**; Patent Law Offices of Rick
Martin, PC, 416 Coffman Street, Longmont, CO 80501
(US).

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(54) Title: RECIRCULATING VERTICAL WIND TUNNEL SKYDIVING SIMULATOR AND REDUCED DRAG CABLE FOR
USE IN WIND TUNNELS AND OTHER LOCATIONS



(57) Abstract: A vertical wind tunnel flight simulator comprises a flight chamber wherein a flier may experience a freefall simulation. Airflow to support the flier is induced by fans connected above the flight chamber through a duct. A staging area having openings to the flight chamber is adjacent to the flight chamber. One or two return air ducts are used to return air from the fans outlet to the fans inlet. Opposed louvers are included on at least one duct segment thereby regulating the temperature via forcing ambient air into the simulator. The use of many duct segments having diverging walls adds commercial value to the system by lowering the height. Mounting components on the roof and behind walls creates a spectacular pedestrian viewing scene of people in flight.



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