

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2003/0015479 A1

Kuennen et al.

Jan. 23, 2003 (43) Pub. Date:

(54) INDUCTIVELY COUPLED BALLAST **CIRCUIT**

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(21) Appl. No.: 10/246,155

Sep. 18, 2002 (22) Filed:

Related U.S. Application Data

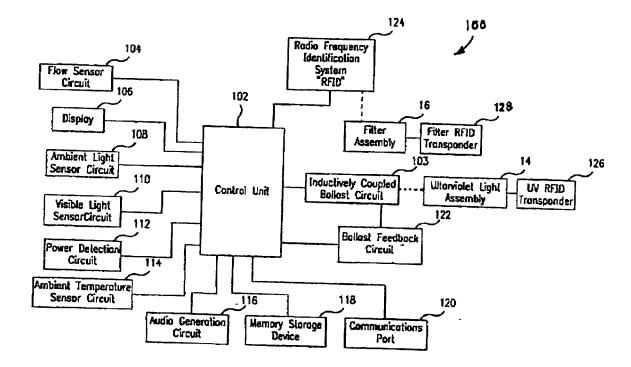
(63) Continuation-in-part of application No. 10/175,095, filed on Jun. 18, 2002, which is a continuation-in-part of application No. 09/592,194, filed on Jun. 12, 2000, now Pat. No. 6,436,299.

Provisional application No. 60/140,159, filed on Jun. 21, 1999. Provisional application No. 60/140,090, filed on Jun. 21, 1999.

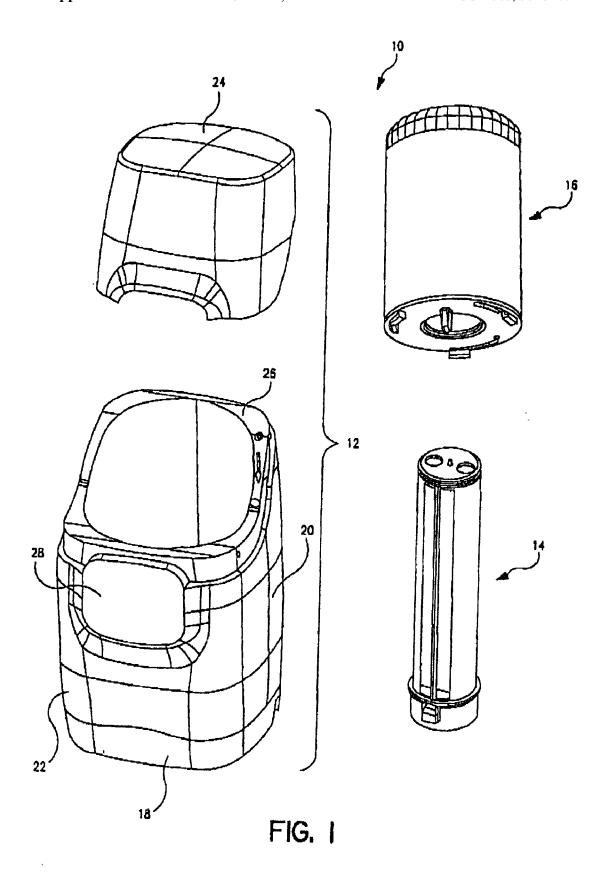
Publication Classification

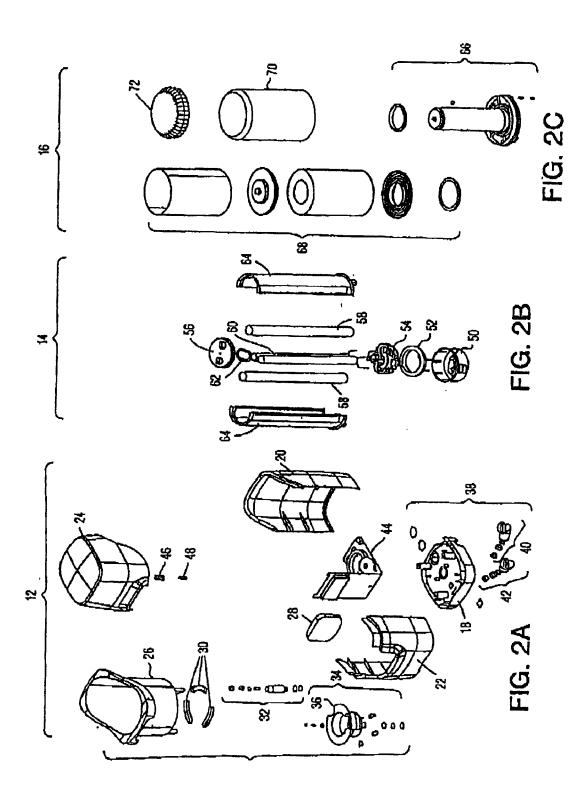
ABSTRACT (57)

Aballast circuit is disclosed for inductively providing power to a load. The ballast circuit includes an oscillator, a driver, a switching circuit, a resonant tank circuit and a current sensing circuit. The current sensing circuit provides a current feedback signal to the oscillator that is representative of the current in the resonant tank circuit. The current feedback signal drives the frequency of the ballast circuit causing the ballast circuit to seek resonance. The ballast circuit preferably includes a current limit circuit that is inductively coupled to the resonant tank circuit. The current limit circuit disables the ballast circuit when the current in the ballast circuit exceeds a predetermined threshold or falls outside a predetermined range.

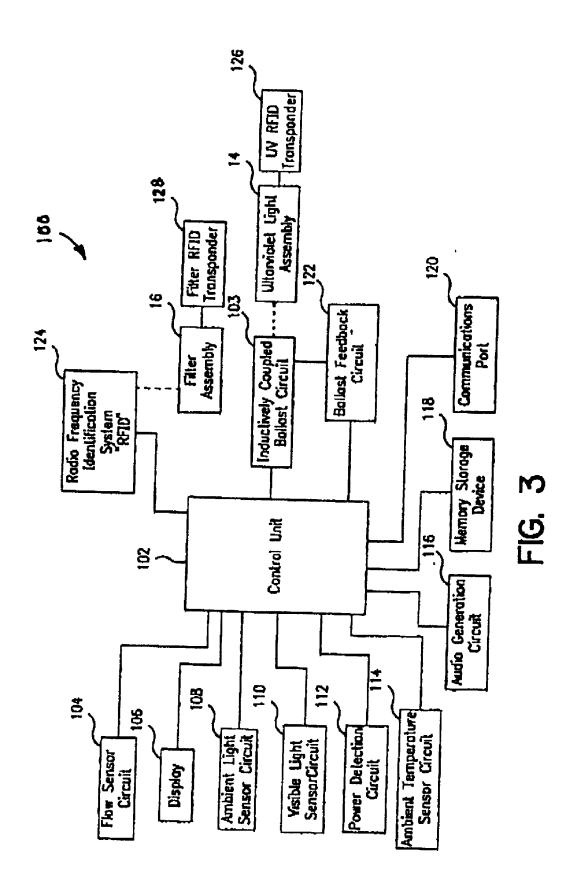


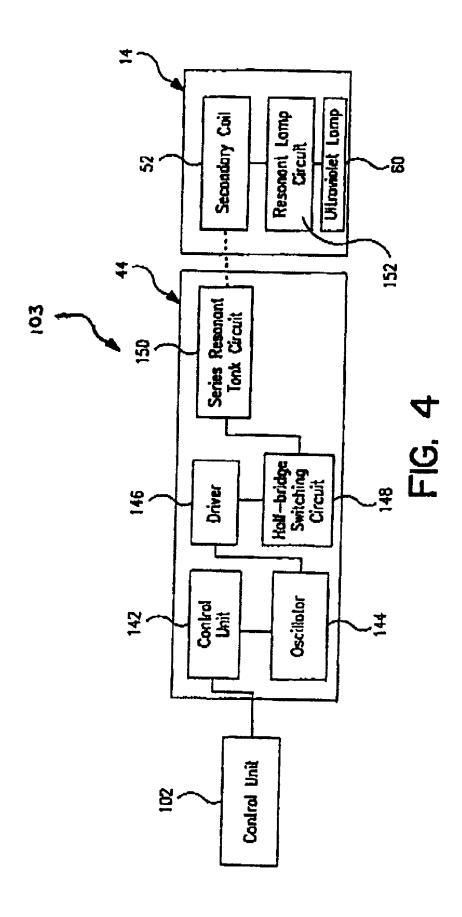












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