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The following is a description of a concept which we propose. It is descriptive and uses examples, but it is the concept we are describing.

Feeling there is a need in household and commercial applications for certain appliances and circuits to be energized together and shut down together without integral wiring circuits in the appliances and without further complicating the wiring of the building, we propose an outlet with a current sensing device which would then energize the attached circuit. I.e. the outlets supplying the household clothes washer when sensing current draw by the washer would energize the circuit to the wash room exhaust fan or a similar outlet at the kitchen range when sensing current flow would energize the circuit to the kitchen exhaust fan. A commercial application might be a saw outlet energizing a vacuum circuit.

The outlets themselves would be made in several configurations, i.e., 110 volt duplex outlet with either 1 or both outlets sensing current draw, 220 volt appliance outlets energizing either 110 volt circuits or 220 volts circuits.

Knowing that there are numerous ways to accomplish both the current sensing and switching devices, we have intentionally not tried to describe the methods of accomplishing this, but rather limited this to the concept of a current sensing/switching outlet.

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