V. ABSTRACT

TITLE OF INVENTION: Integration of Fuel Cells, Hydrogen Reformer, Fuel Processor, Absorption Chiller, Heat Recovery Steam Generator and Internal Combustion Engines.

5.1 To improve the efficiency of energy conversion and electrical power generation, by the integrated use of internal combustion engines and fuel cells. Recovery of waste heat from internal combustion engines to aid in the purification and reformation thereafter of hydrogen, which is then used in fuel cells to produce energy. Recovery of other waste energy in the integrated fuel cell engine to produce chilled water for space cooling and steam or hot water for either process or heating application. (*See Figure 1 of Drawing.*)

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