



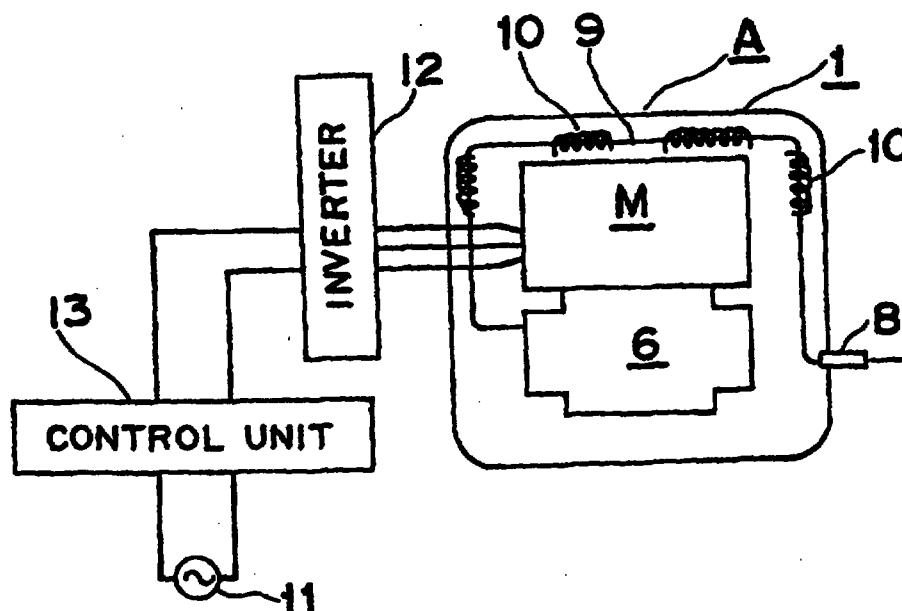
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(54) Title: INVERTER-CONTROLLED SEALED COMPRESSOR



(57) Abstract

A sealed compressor for use in a refrigerator includes a sealed housing having an interior communicated to the outside of the housing through a discharge tube, a compressor element accommodated within the sealed housing, an electric element accommodated within the sealed housing for driving the compressor element, and a coupling tube fluid-connecting the compressor element and the discharge tube within the sealed housing. To avoid a resonant motion of the coupling tube which would otherwise generate obnoxious noise, an inverter controller is employed to allow the electric element to be operated at one of a plurality of frequencies other than the resonance frequency of the coupling tube.