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Declarations under Rule 4.17:

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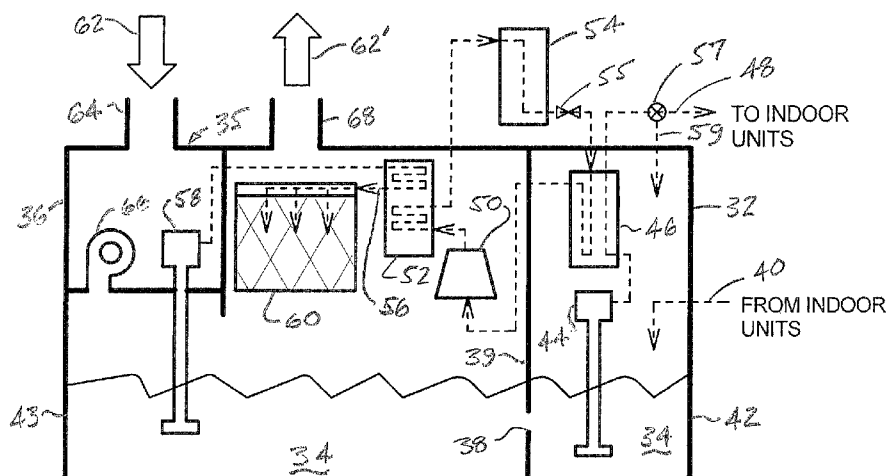
(54) **Title:** DESICCANT-BASED COOLING SYSTEM

FIGURE 2

(57) **Abstract:** A desiccant-based system and method for conditioning air includes a first unit remotely located from an area whose environment is to be controlled. Additional units are respectively located within areas where air conditioning is desired. Each of the additional units is connected to the first unit such that desiccant can be transferred between each of the additional units and the first unit. Cool, undiluted desiccant can be transferred from the first unit to at least one of the additional units so that ambient air at the location of the additional unit can be dehumidified and cooled. Each of the additional units are separately controllable, such that the respective environments surrounding the additional units can be maintained at different levels of humidity and temperature.