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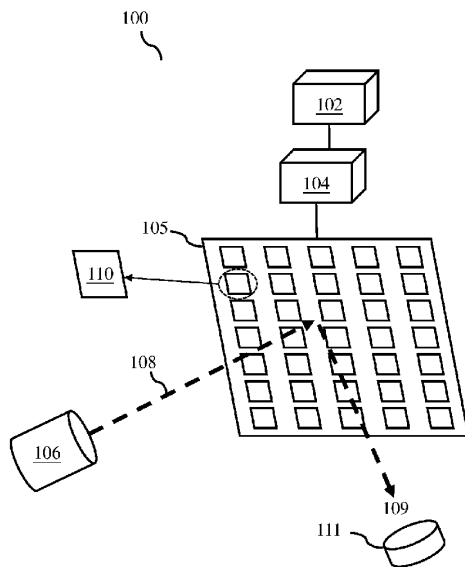


FIGURE 1

(57) Abstract: This document describes a Reconfigurable Intelligent Surface (RIS) system for wireless communications. This application also relates to a 2-bit phase-quantized unit cell for manipulating properties of received electromagnetic waves whereby the unit cell may be utilized in the RIS system.

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