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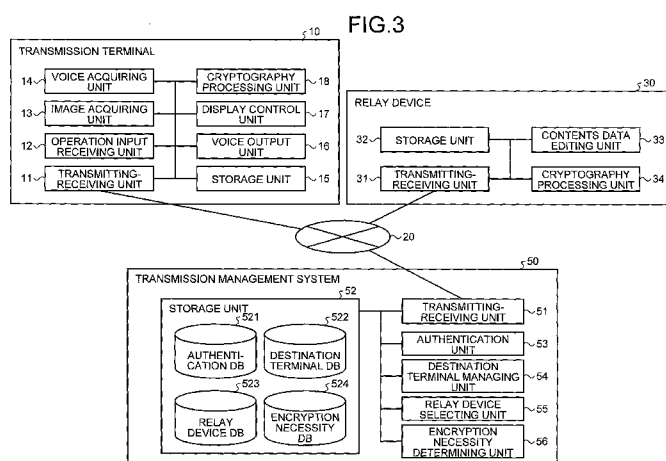
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(54) **Title:** TRANSMISSION MANAGEMENT APPARATUS, PROGRAM, TRANSMISSION MANAGEMENT SYSTEM, AND TRANSMISSION MANAGEMENT METHOD



(57) **Abstract:** A transmission management apparatus includes a receiving unit that receives, from a first transmission terminal 10, a communication request for a communication with a second transmission terminal 10; a first storage unit that stores therein terminal identification information for identifying the transmission terminals 10 and relay device identification information for identifying a relay device 30 that relays data to be transmitted and received by the first transmission terminal 10, in an associated manner; a relay device selecting unit that selects the relay device 30 associated with the terminal identification information of the first transmission terminal 10 in the first storage unit; a second storage unit that stores therein the relay device identification information and encryption necessity information in an associated manner; and an encryption necessity determining unit that determines whether encryption is needed based on the encryption necessity information associated, in the second storage unit, with the relay device 30 selected by the relay device selecting unit.