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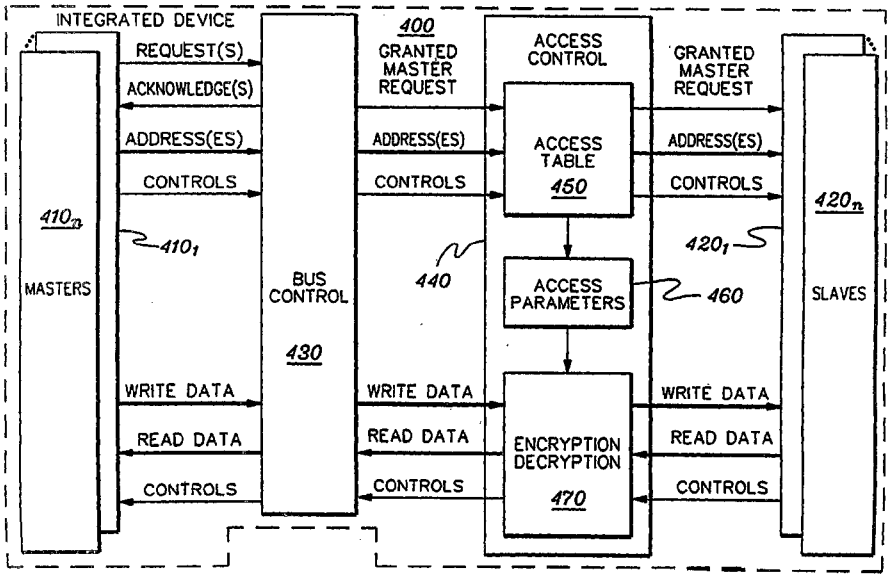
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(54) Title: CONTROL FUNCTION BASED ON REQUESTING MASTER ID AND A DATA ADDRESS WITHIN AN INTEGRATED SYSTEM



(57) Abstract: An access control function (440) for an integrated system (400) is provided which determines data access based on the master id of a requesting master (410) within the system (400) and the address of the data. The access control function (440) can be inserted, for example, into the data transfer path between bus control logic (430) and one or more slaves (420). In addition to determining whether to grant access to the data, the access control function (440) can further qualify the access by selectively implementing encryption and decryption (470) of data, again dependent on the data authorization level for the particular functional master (410) initiating the request for data.

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