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(19) **United States**(12) **Patent Application Publication**
CHAN(10) **Pub. No.: US 2023/0231888 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **METHOD OF EXTENDING PBX
COMMUNICATION FUNCTIONS AND
CONNECTIVITY**(52) **U.S. Cl.**
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H04L 65/1069 (2006.01)(57) **ABSTRACT**

The present invention discloses a method of extending PBX communication function and connectivity. The present invention may use the original telephone exchange to execute the communication via network other the PSTN connection. The edge device connected with the telephone exchange is allowed to inquire and automatically updates the edge device data list per se, therefore to establish the connections rapidly. On the other hand, the present method of extending PBX communication function and connectivity can further extend new applicable functions. For instance, the edge device may have the functions of encryption and decryption. When the telephone exchange communicates with the edge device, the communication therebetween will be encrypted. Moreover, the advanced functions provided by edge device such as the multimedia communication, leading the communications between the telephone exchanges to have the aforementioned advanced functions, too.

