

SECURITY DEVICE, SYSTEM AND METHOD FOR FORMING VIRTUAL SECURITY SPACE**ABSTRACT**

A security apparatus forms a virtual security area. The security apparatus includes a radar sensor that transmits and receives a signal; and a reflector that reflects a signal output from a radar sensor of another security apparatus adjacent to the security apparatus. The security apparatus transmits a signal to a reflector of the other security apparatus adjacent to the security apparatus and receives a signal reflected by the reflector of the other security apparatus through the radar sensor to form a virtual security area between the security apparatus and the other security apparatus.

Fig. 1A