

**System And Method For Simultaneous Use Of Transponders With Overlapping
Identification Modes On An Aircraft**

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Abstract

A system and method for simultaneous use of transponders with overlapping identification modes on an aircraft are disclosed. The system comprising: a first transponder operating in respective identification modes corresponding to one or more communication modes; a second transponder operating in respective identification modes corresponding to one or more communication modes, wherein the first and second transponders have one or more overlapping identification modes; and a switching means coupled to the first and second transponders such that in each switched state, only one of the transponders operates in said one or more overlapping identification modes.

Figure 1a