

ABSTRACT**WIDEBAND MULTI-OUTPUT RF SWITCHING DEVICE AND RF EQUIPMENT
USING SUCH A SWITCH**

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The solution proposed by the invention consists in implementing in parallel a plurality of switches (31, 32) in one and the same RF channel while making provision to leave in each switch one output (311, 321) open-circuit.

10 A matching network (33) is mounted between the "1-channel" inputs (310, 320) of the switches in order to match operation over a wide frequency band, for example in the VHF and UHF domains. This matching network especially compensates for interference caused by the open-circuit outputs.

15 In each of the switches (31, 32) at least one channel (311, 321) is left open-circuit, the other outputs being intended to be connected to other RF functions.

The open-circuit channel (321) is activated in switches (32) the channels of which are not being used, activated meaning that the input of the switch is connected to this open circuit. The switch (31) that contains the conducting channel is programmed and used conventionally.

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Figure 3