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(54) **An arrangement for radiating rf signals from a radio transmitter**

(57) An arrangement for radiating RF signals from a radio transmitter which comprises an antenna and an electrical isolator connected to the antenna for isolating the antenna from the transmitter, wherein the isolator includes a conducting elongate element along which RF electrical signals are fed in use, and further conductors which are not electrically connected to the elongate element, the further conductors comprising first and second conducting layers arranged with the elongate element extending between them and third and fourth conducting layers arranged with the first and second layers extending between them, the further conductors forming in use an electromagnetic shield to RF electrical signals passing along the elongate element, the antenna being connected to the elongate member of the isolator.

The layers of the isolator may be planar. The total combined effective electrical length of the first and third layers along an axis of the isolator and the total combined effective electrical length of the second and fourth layers along the axis of the isolator may be or approximate to 0.5λ , where λ is the mean wavelength of RF electrical signals to be passed in use along the elongate element. The effective electrical length of each of the first, second, third and fourth layers along the axis may be or approximate to 0.25λ .

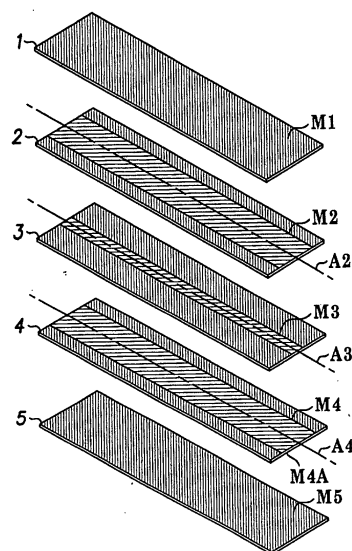


FIG. 1

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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 July 2004	Examiner Kaleve, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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