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(54) Title of the Invention: **Thin film RF detector coils for MRI**
Abstract Title: **Thin film RF detector coils for MRI**

(57) A resonant radiofrequency (RF) detector assembly comprising a substrate, a coil formed on a front surface of the substrate, and two capacitors, each capacitor having a front plate which is formed on the front surface of the substrate and a rear plate formed on a rear surface of the substrate, the two front plates each being electrically connected to a different end of the coil, and the two rear plates being electrically connected to each other.

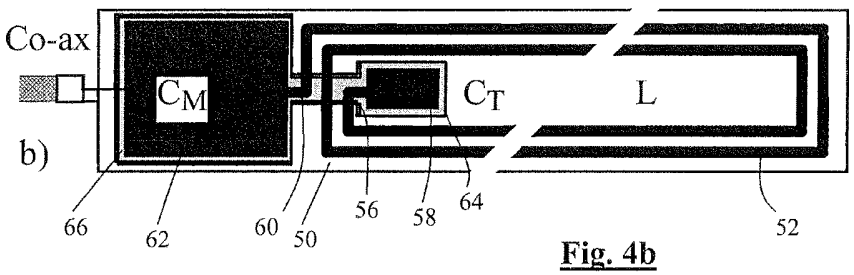

Fig. 4b

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