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**Moskal**

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(54) **MATRIX DEVICE AND METHOD FOR DETERMINING THE LOCATION AND TIME OF REACTION OF THE GAMMA QUANTA AND THE USE OF THE DEVICE TO DETERMINE THE LOCATION AND TIME OF REACTION OF THE GAMMA QUANTA IN POSITRON EMISSION TOMOGRAPHY**

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USPC ..... **250/363.03**

(58) **Field of Classification Search**

USPC ..... 250/363.03

See application file for complete search history.

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(57) **ABSTRACT**

The subject matters of the invention is a matrix device and method for determining the place and time of the gamma quanta interaction as well as the use of the device for determining the place and time of the gamma quanta interaction in positron emission tomography.

**7 Claims, 8 Drawing Sheets**

