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Pirkl

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(54) **MAGNETIC RESONANCE TOMOGRAPHY SYSTEM, RECEIVE APPARATUS AND METHOD**

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(58) **Field of Classification Search**

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See application file for complete search history.

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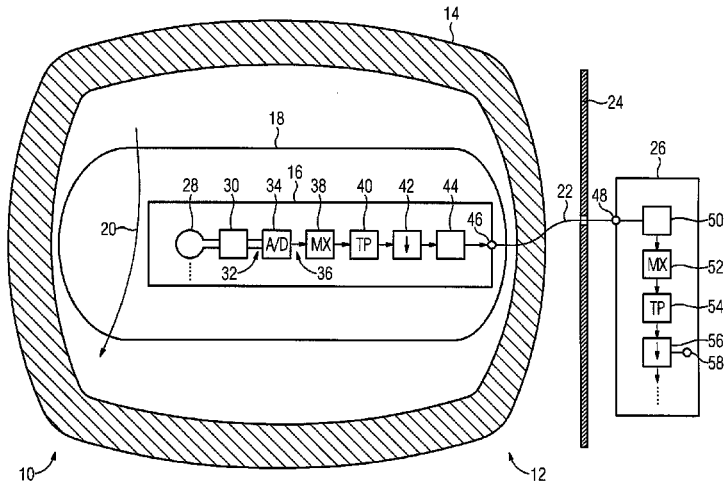
(57) **ABSTRACT**

A magnetic resonance tomography (MRT) system has a receive apparatus disposed in a magnetic field, in which a receive coil is coupled to an input of an analog/digital converter. The analog/digital converter is configured for this purpose. A digital output of the analog/digital converter is coupled via a digital mixer device and a clock-rate-reduction device to a data output of the receive apparatus. The mixer device is configured to mix a predetermined frequency band of the MR signal downwards into an intermediate frequency range and create a digital IF signal.

20 Claims, 1 Drawing Sheet