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(54) **Title:** PORTABLE HANDHELD MAGNETIC PARTICLE IMAGING

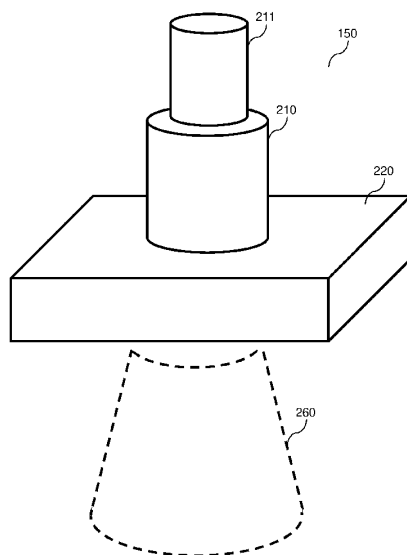


Figure 2

(57) **Abstract:** This invention relates to a portable magnetic particle imaging (MPI) device. The portable MPI device comprises a handheld probe and a processing unit. The handheld probe comprises a main housing a first sensor coil, a second sensor coil, a transmitter coil arranged between the first and second sensor coils, and an excitation priming frame housing magnetic component and the processing unit comprises a transmitter communicatively connected to the transmitter coil and the excitation priming frame, a receiver communicatively connected to the first and second sensor coils.



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