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(54) **Title:** A VIBRATING DENSITOMETER INCLUDING AN IMPROVED VIBRATING MEMBER

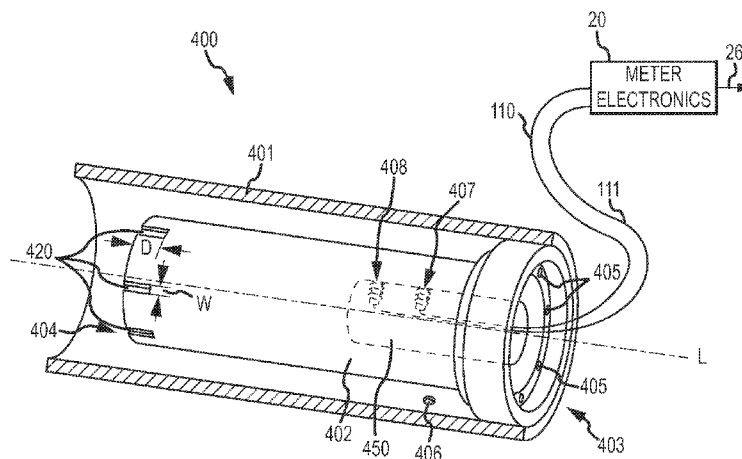


FIG. 4

(57) **Abstract:** An apparatus is provided that comprises a vibrating member (402). The vibrating member (402) is for a vibrating densitometer (400). The vibrating member (402) includes one or more apertures (420). The one or more apertures (420) are sized and located in the vibrating member (402) to increase a frequency separation between a resonant frequency of a desired vibrational drive mode and a resonant frequency of one or more undesired vibrational modes.



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