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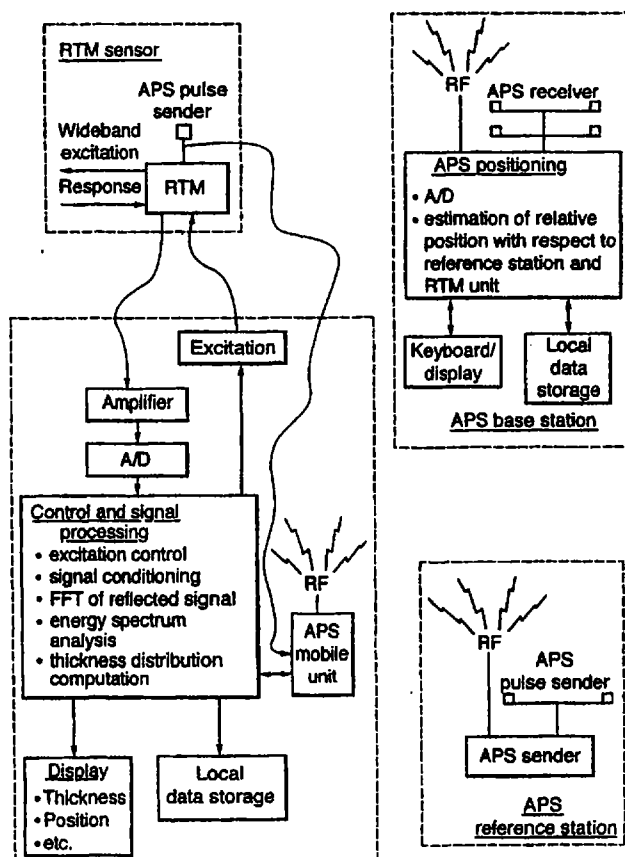
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(54) Title: MEASURING SYSTEM INCLUDING POSITIONING AND DATA TRANSFER



(57) Abstract: The invention provides a system for measuring, characterising, verifying and position-determining material properties of a selected object to be measured, in particular thickness distribution. A mobile measuring unit which is manoeuvred and operated manually or with the aid of a remote-control transport device senses half-wave resonance in objects to be measured and computes the thickness distribution. A new, accurate, partly acoustic positioning system determines the position of the measured area.

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