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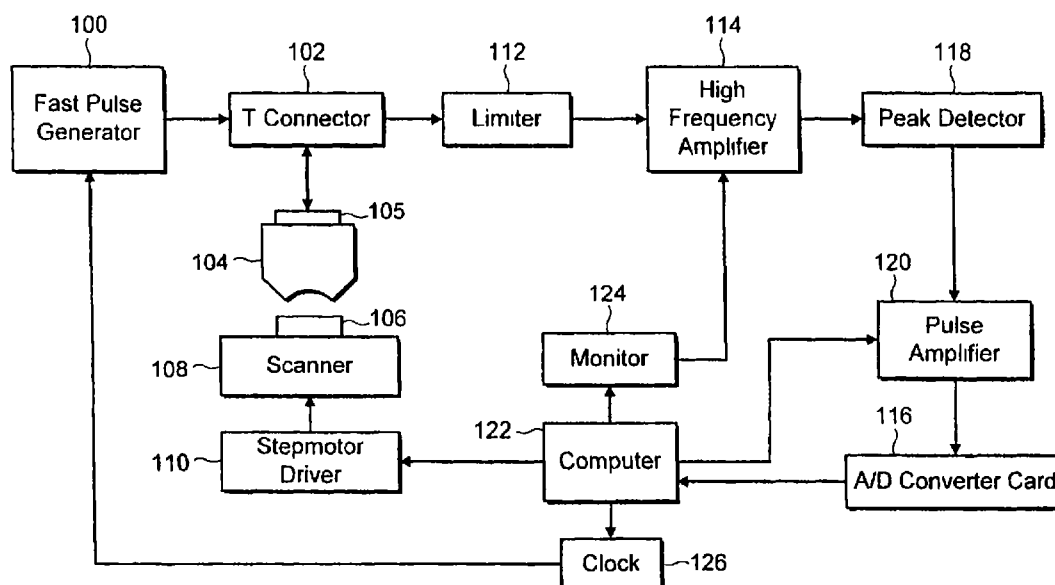
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54) Title: **ACOUSTIC MICROSCOPE**



(57) Abstract: An acoustic microscope is disclosed having an acoustic lens formed of fused metal and glass. A high speed analogue to digital converter and a pulse generator/receiver are also disclosed. Automated V(z) curve measurement produces quantitative elastic properties of the specimen. (C) and (B) scans are sliced and a simulated three-dimensional image is formed therefrom.