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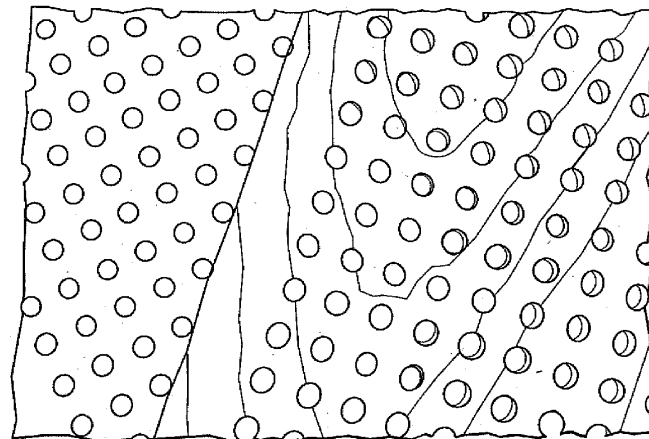
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(54) Title: FURNITURE WITH ACOUSTICAL TREATMENTS

FIG. 1
PRIOR ART



(57) Abstract: Furniture such as desks and other items are provided with sound absorbing features consisting of micro-perforations extending through structures having vertical surfaces. The micro-perforations are formed using a LASER cutting tool or a punch and are either cylindrical or frustoconical. The micro-perforations are formed in drawer facings, doors, support structures, and free-standing objects and storage devices having vertical surfaces. The micro-perforations have diameters in the range of 0.20 to 0.70 mm. The micro-perforations have been found to increase sound absorption of a desk by as much as 4 Sabins within the frequency range of 100 to 5,000 Hz. Structural panels consisting of front and rear micro-perforated panels surrounding a porous central core may be employed in such furniture.

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