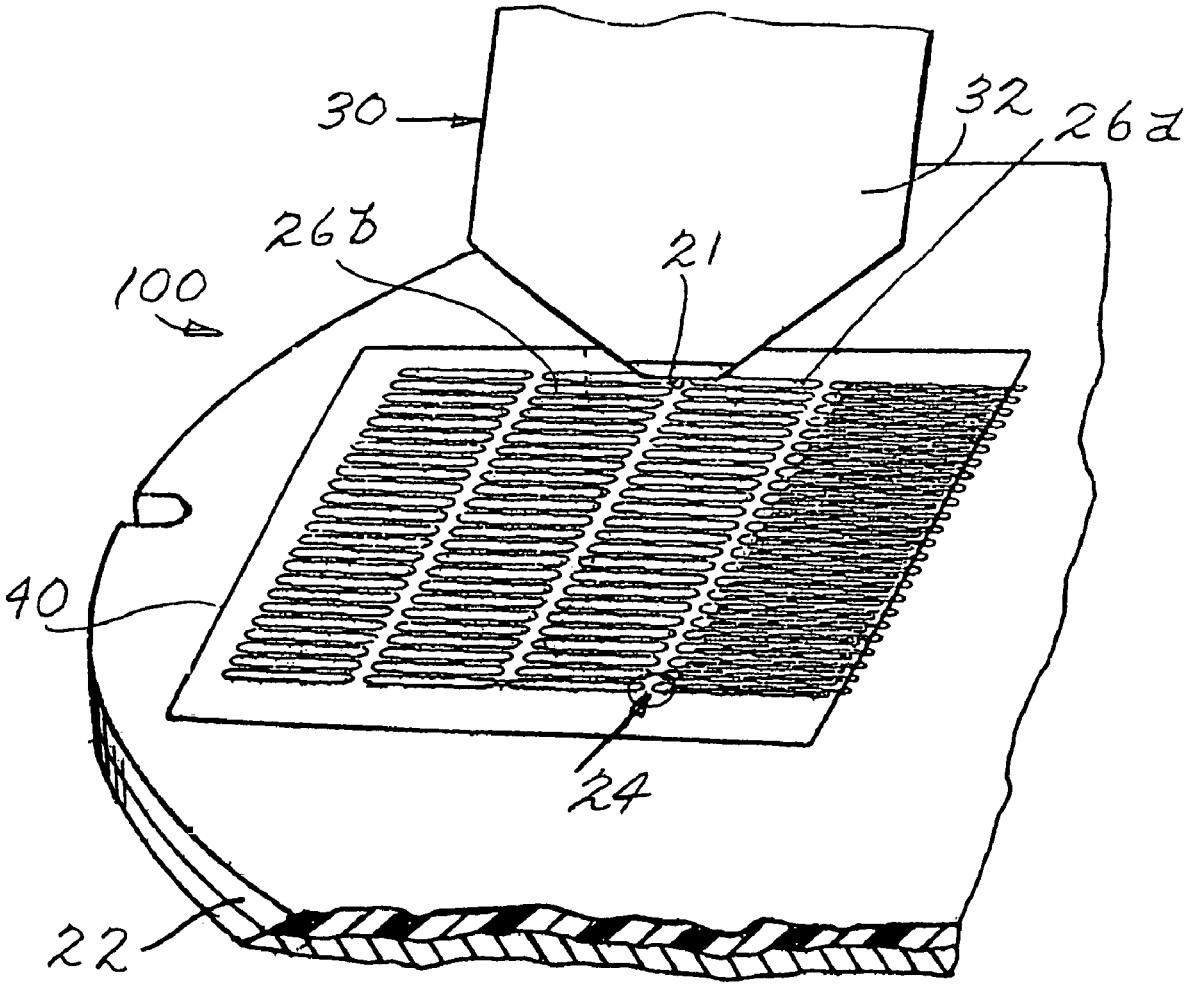Fig. 1a