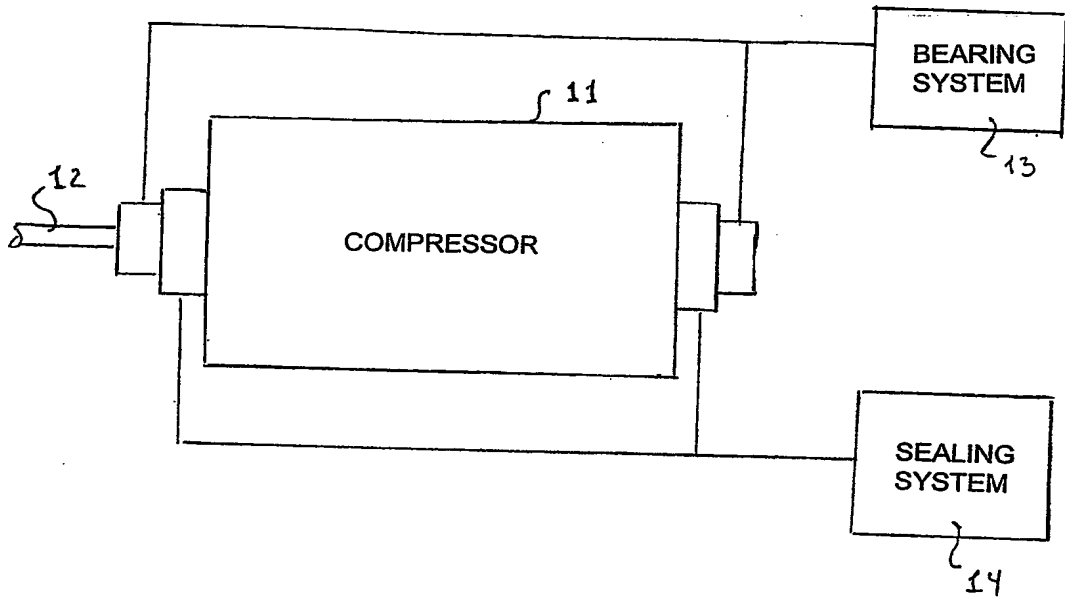
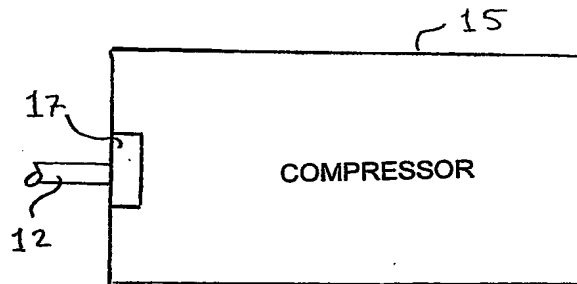


1/10



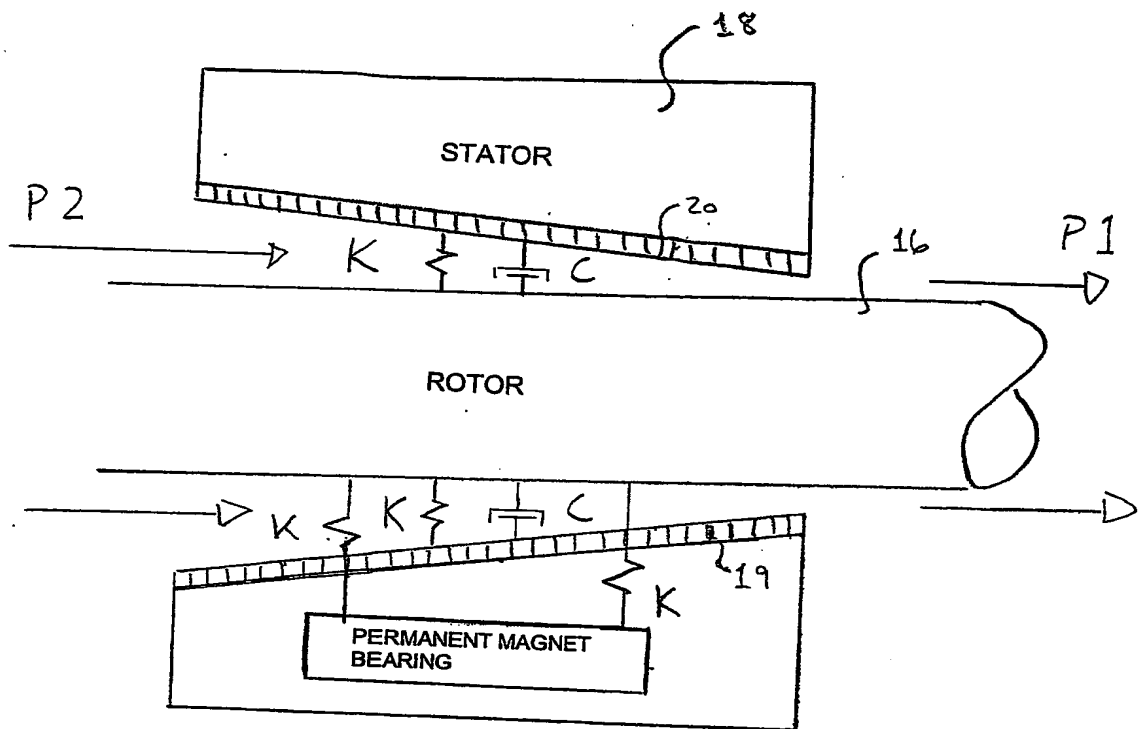
1A: Traditional



1B: Proposed technology

Fig. 1

2/10



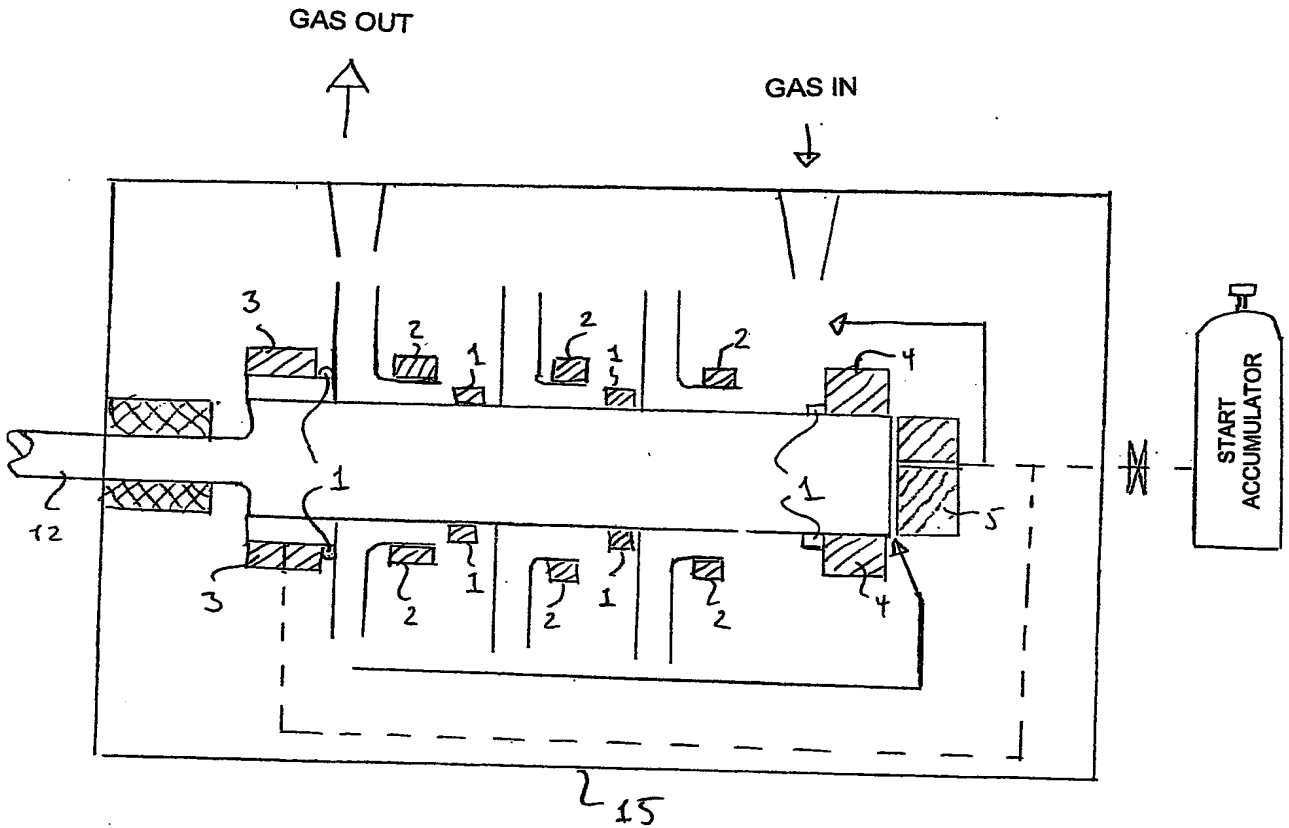
$$P2 > P1$$

K: positive direct rigidity

C: positive direct damping

Fig. 2

3/10



 : BEARING/SEALING

 : AXLE SEALING AGAINST ATMOSPHERE

Fig. 3

4/10

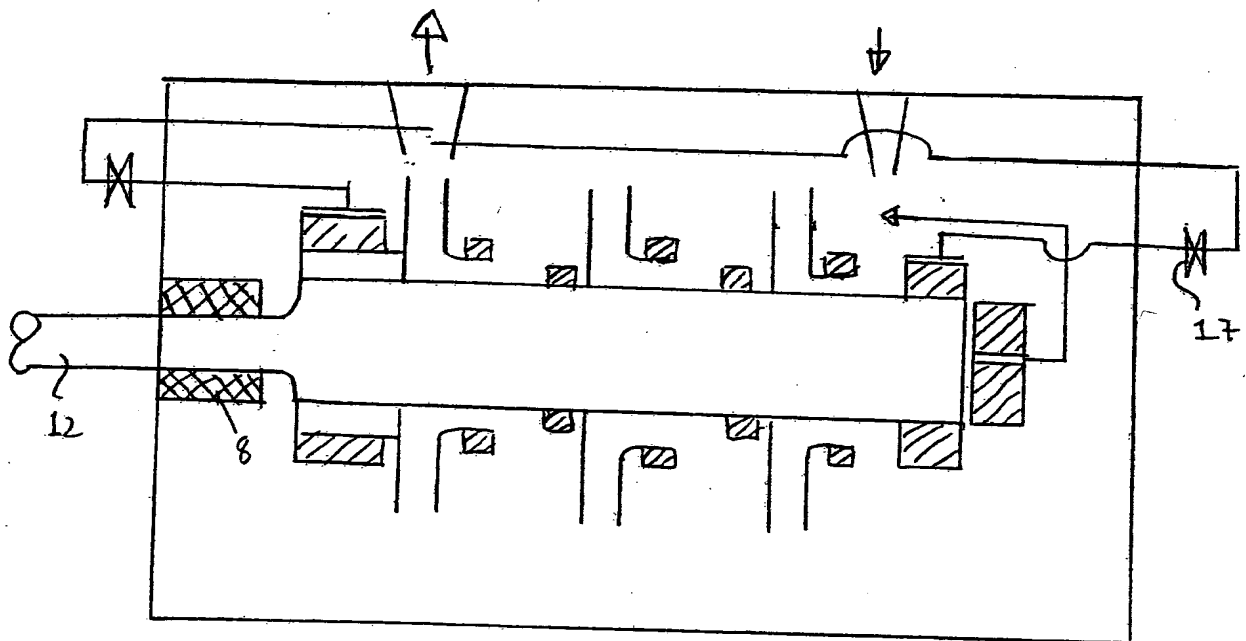


Fig. 4

5/10

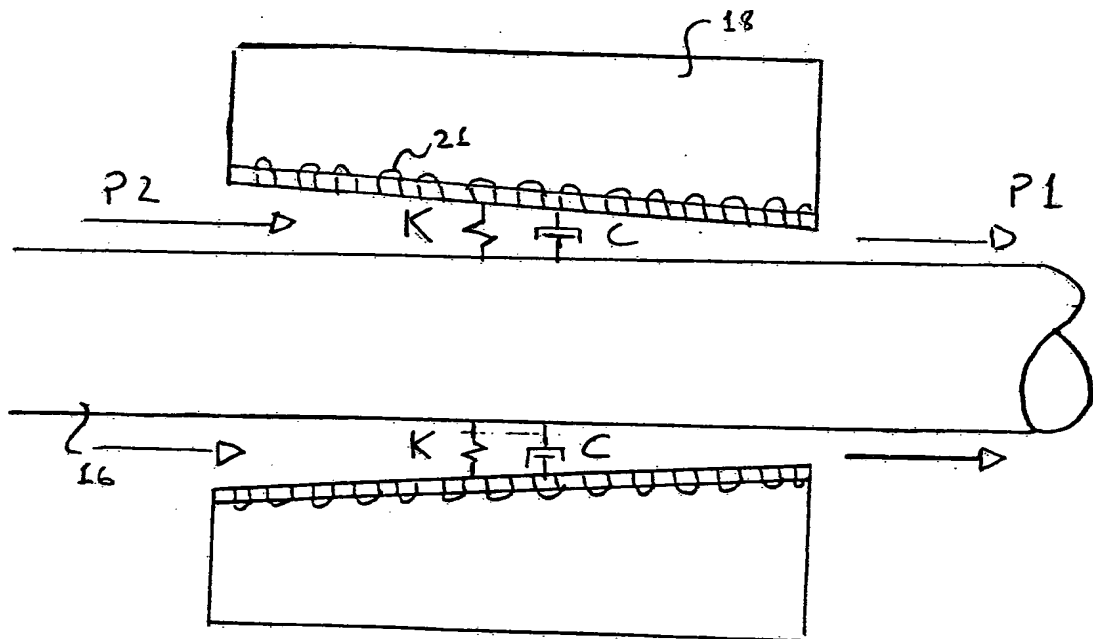


Fig. 5

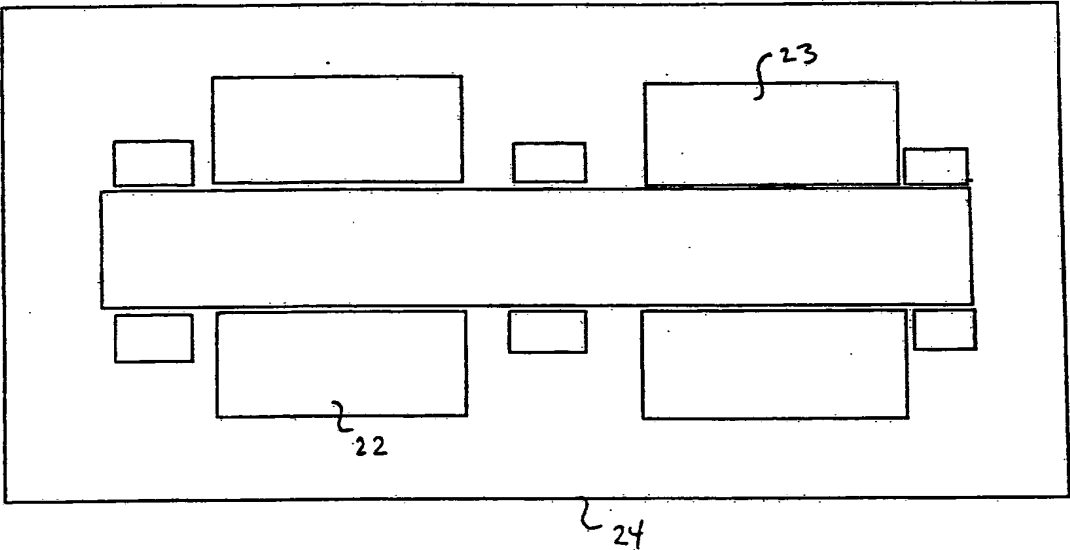


Fig. 6

7/10

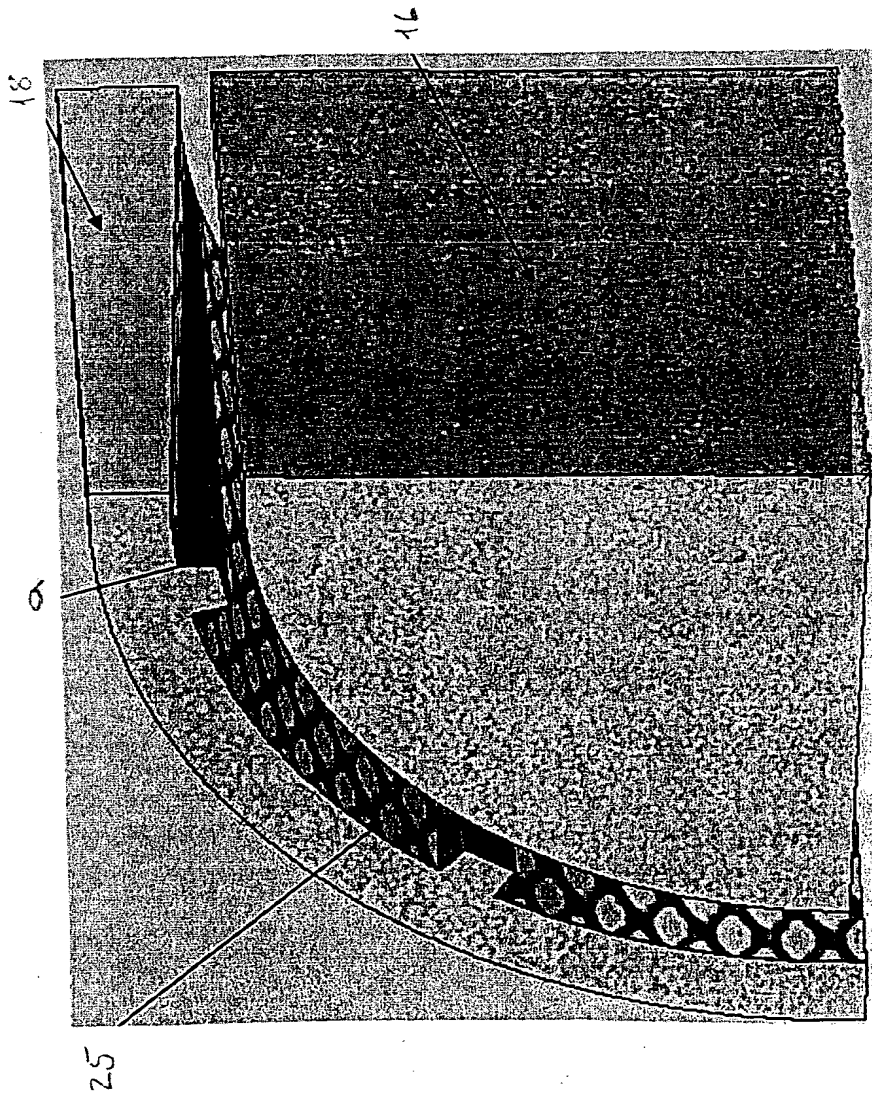


Fig. 7A

8/10

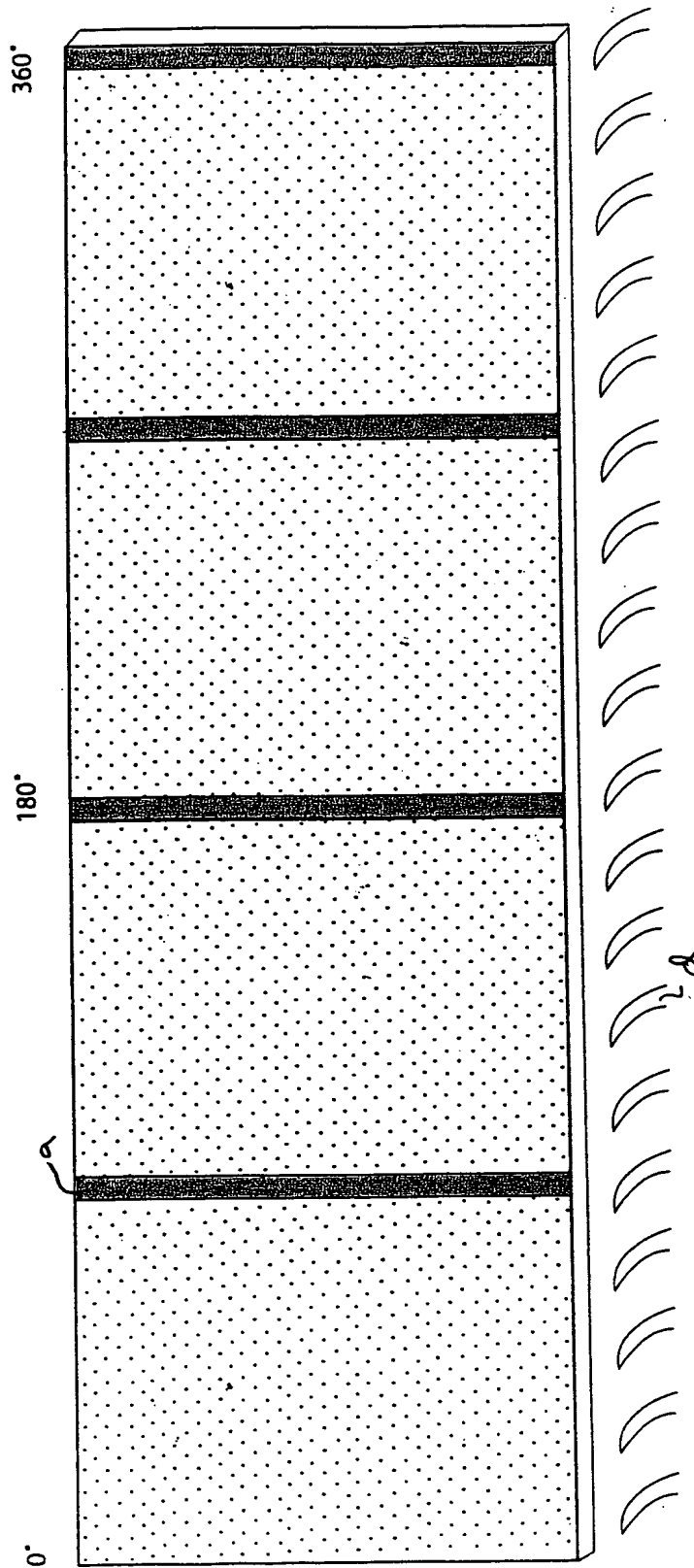


Fig. 7B

9/10

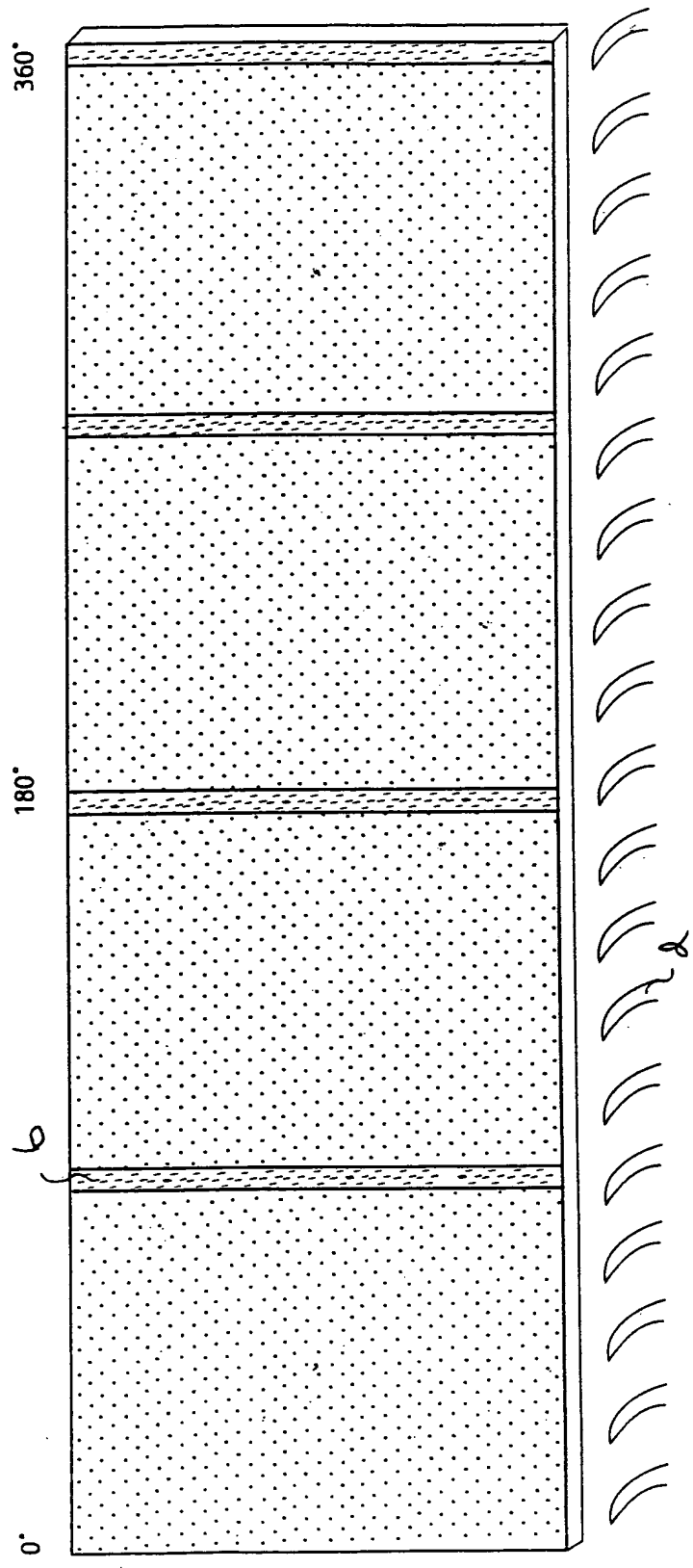


Fig. 7C

10/10

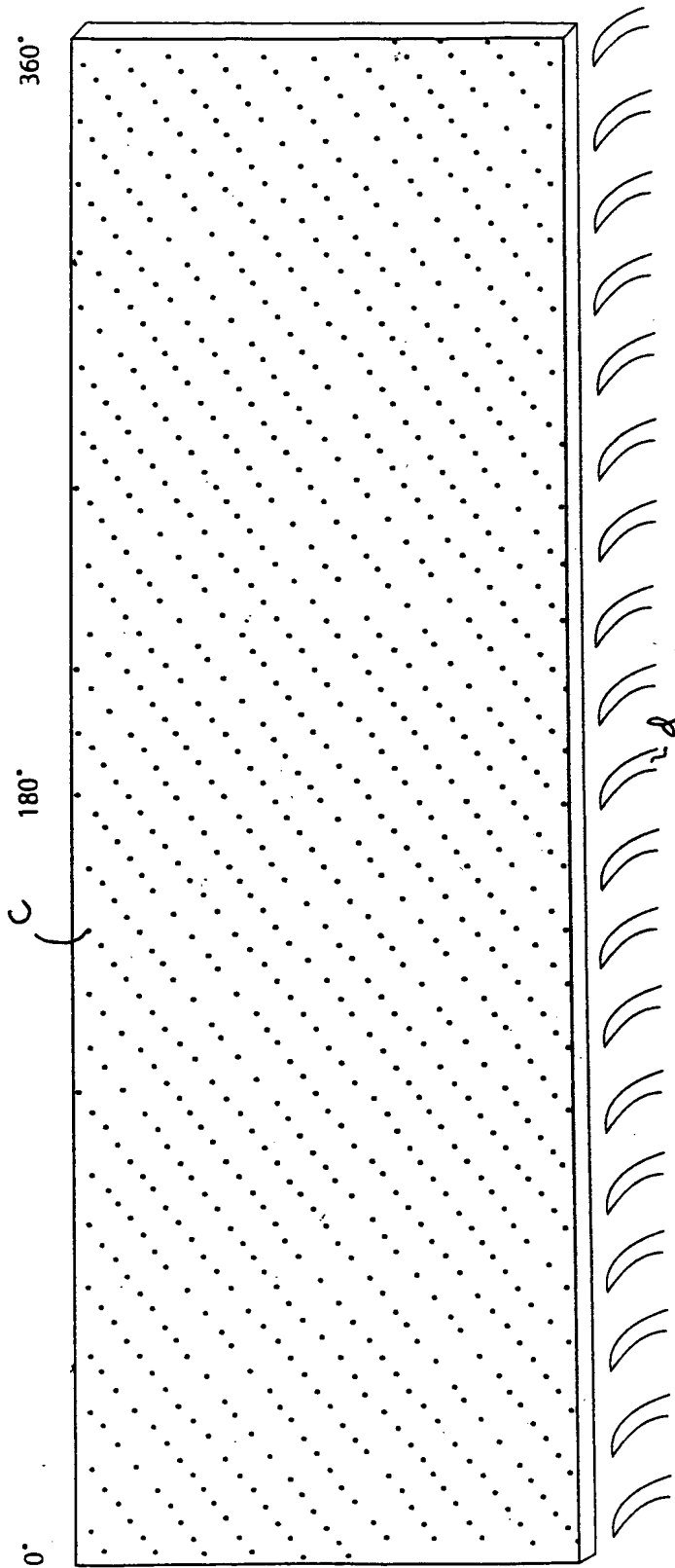


Fig. 7D