

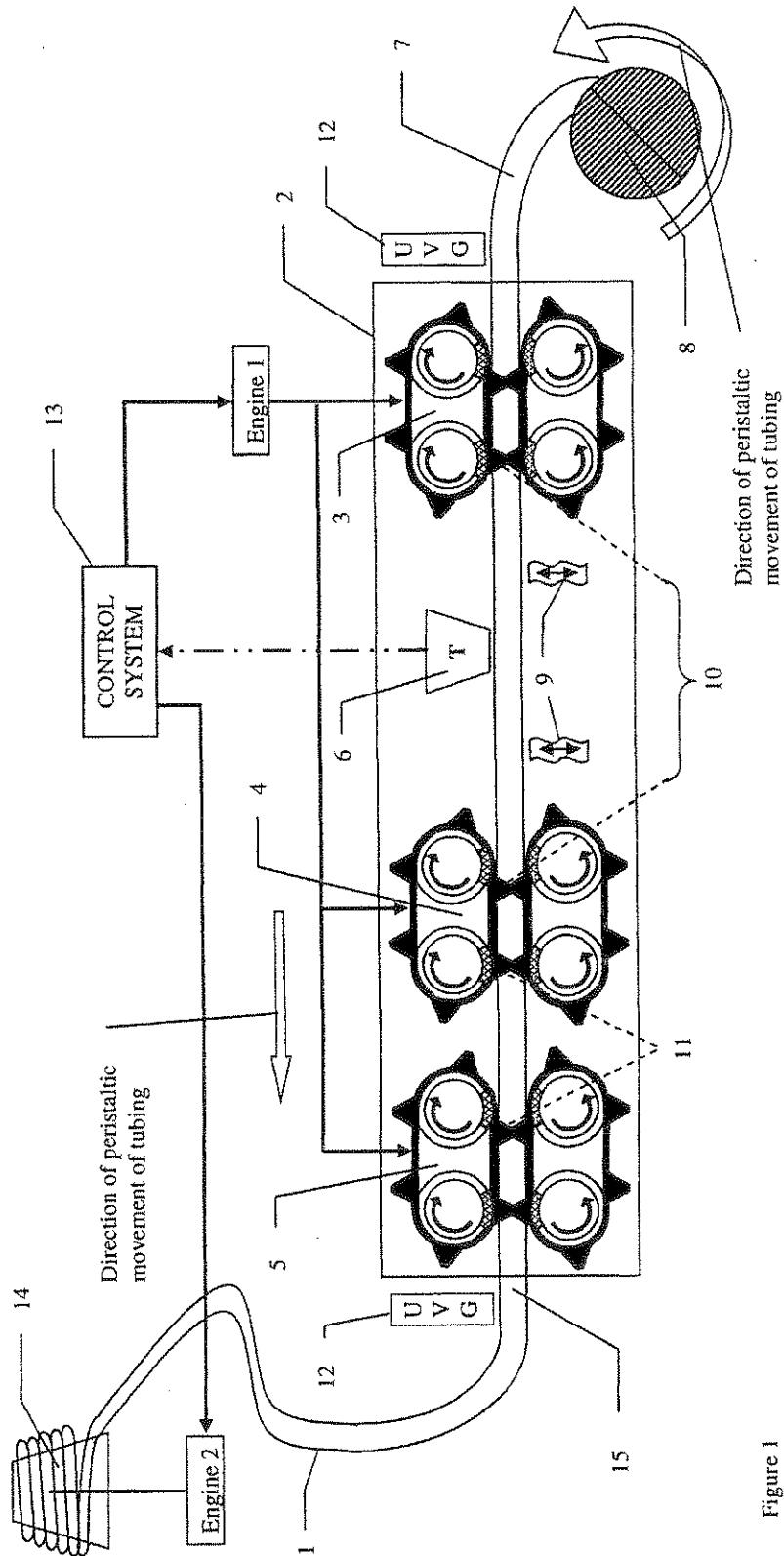


Figure 1

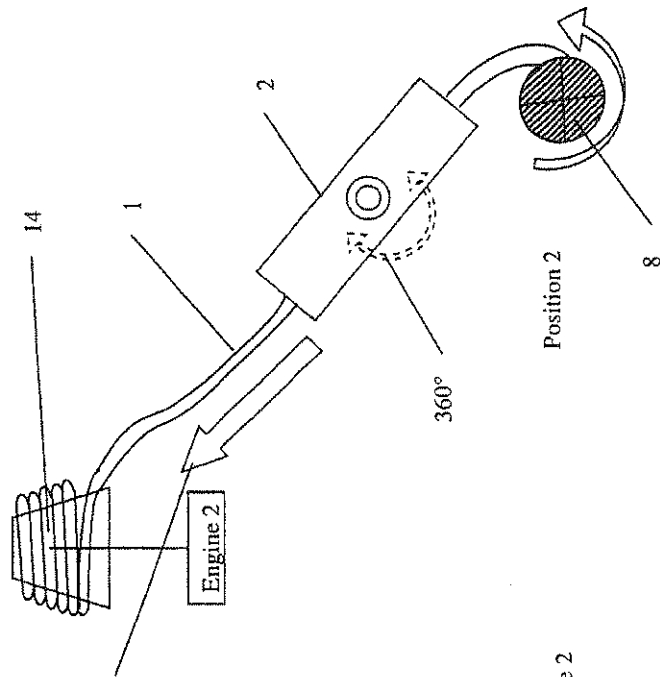
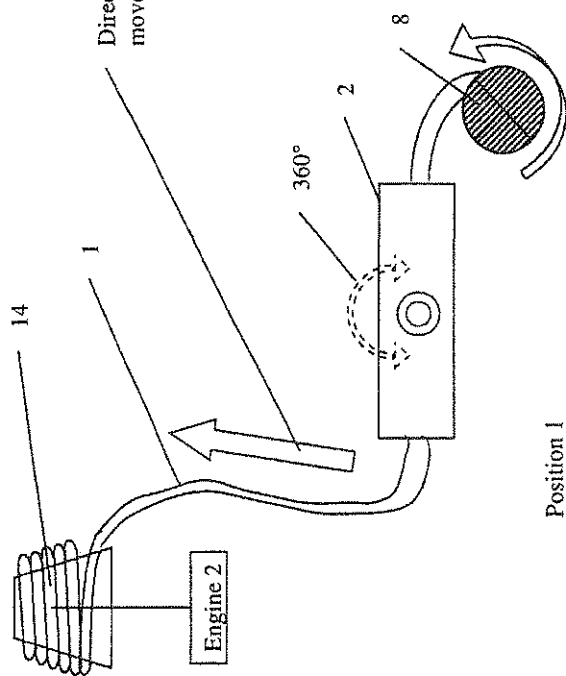


Figure 2



Position 1

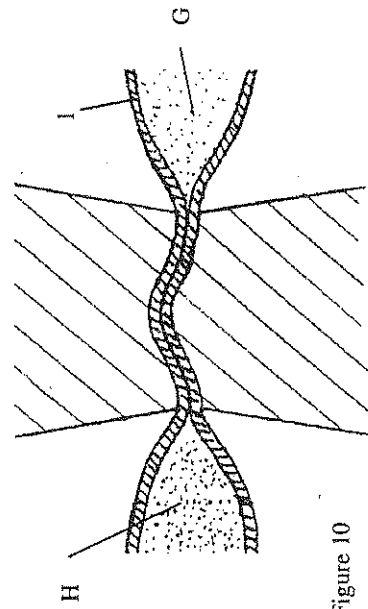


Figure 10

Fig. 3 - Tube full of medium before injection - Status T0. Fresh medium in every region of tubing A, B, C, D & E.

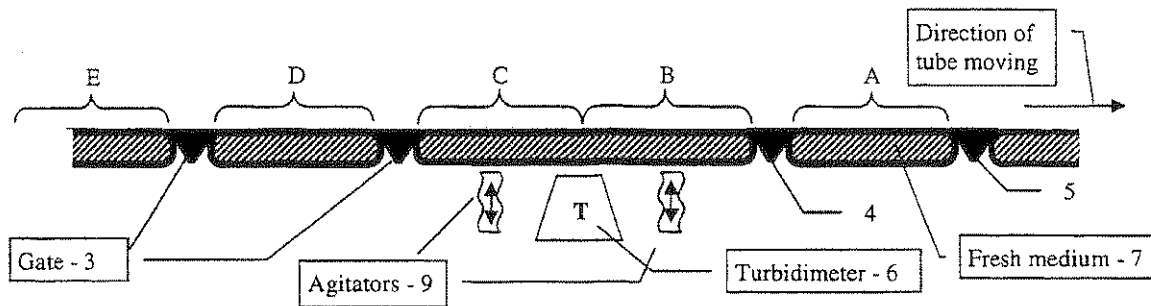


Fig. 4 - Chamber just after injection - Status T1, just at the beginning of first cycle. Culture growing in regions C & B.

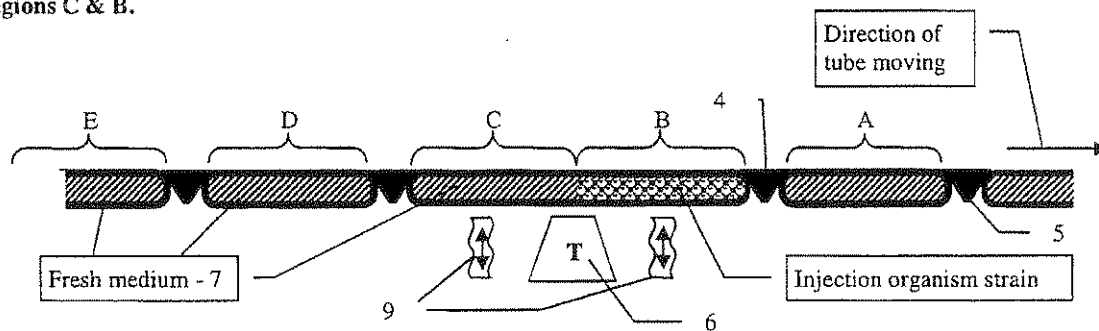


Fig. 5 - Status T2, during first growth cycle. Culture growing in regions C & B.

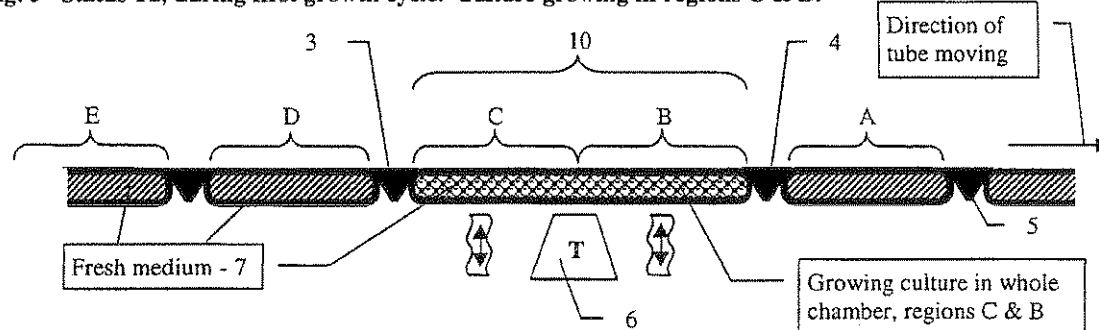


Fig. 6 - Status T3, just at the beginning of second growth cycle, just after first tube movement. Culture growing in region D & C.

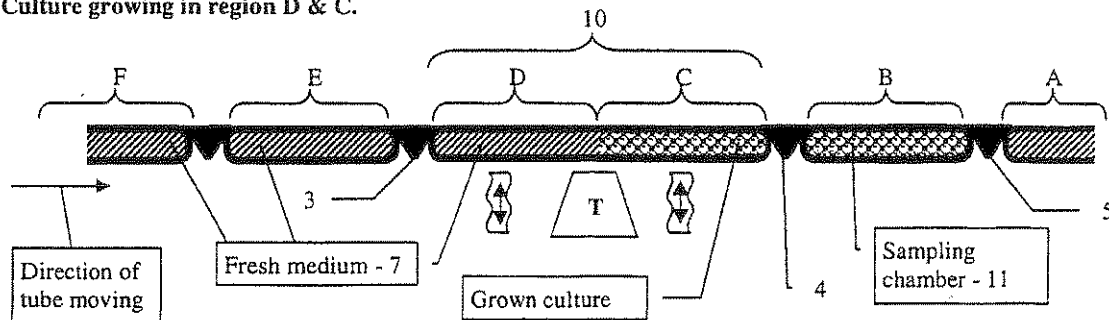


Fig. 7 - Status T4, during second growth cycle. Culture growing in regions D & C.

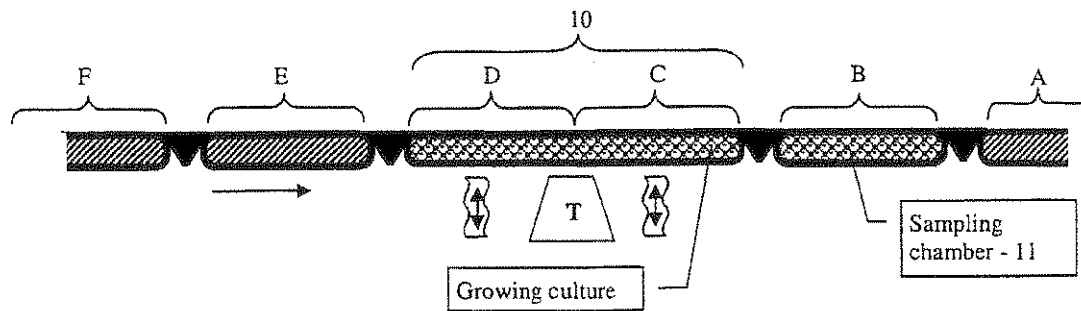


Fig. 8 - Status T5, just at the beginning of third growth cycle, just after second tube movement. Culture growing in regions E & D.

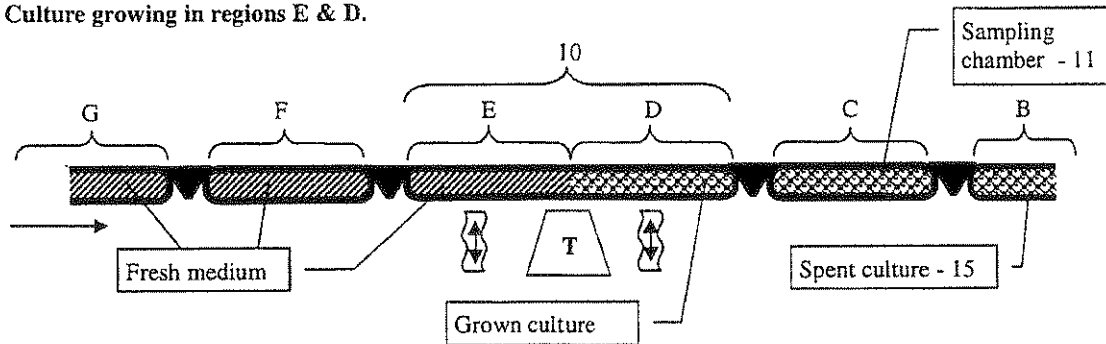


Fig. 9 - Status T6, during third growth cycle. Culture growing in regions E & D.

