

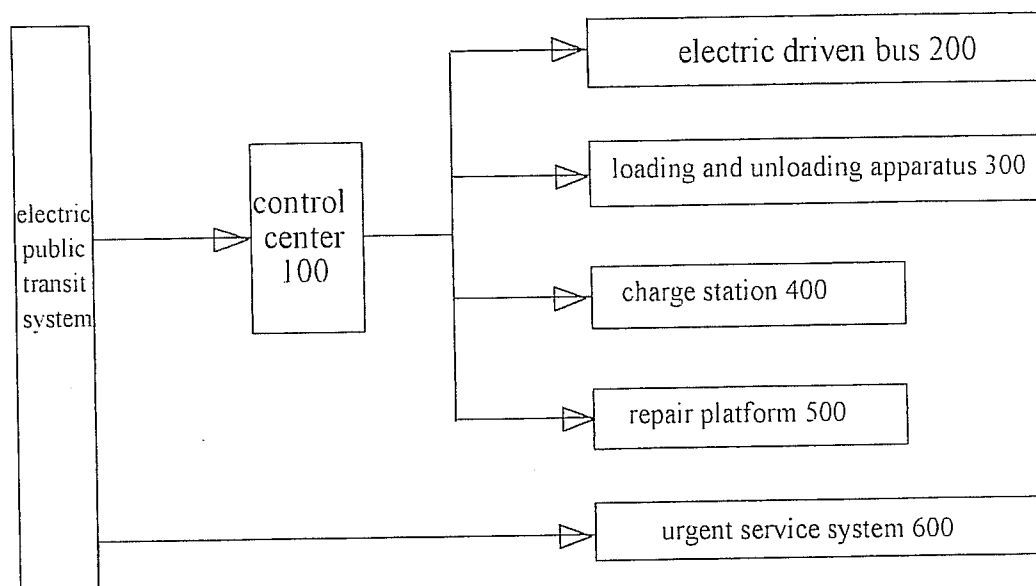


Fig 1

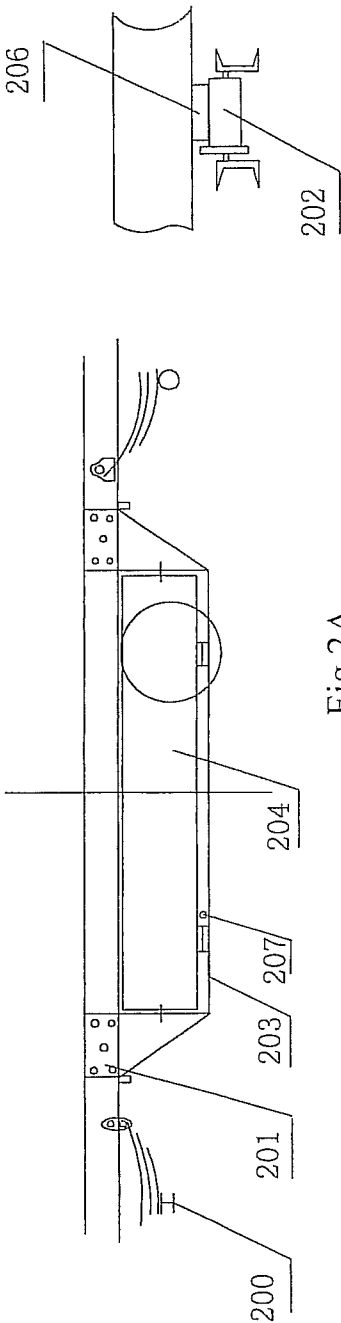
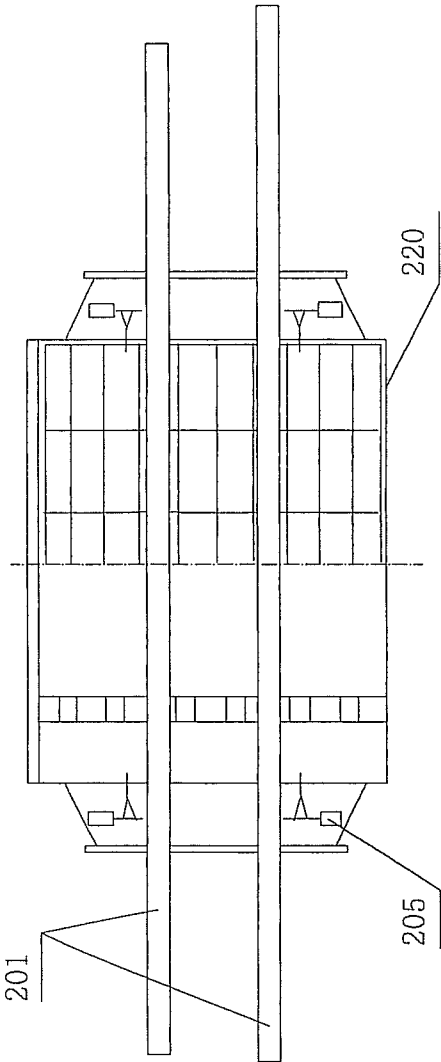


Fig 2B



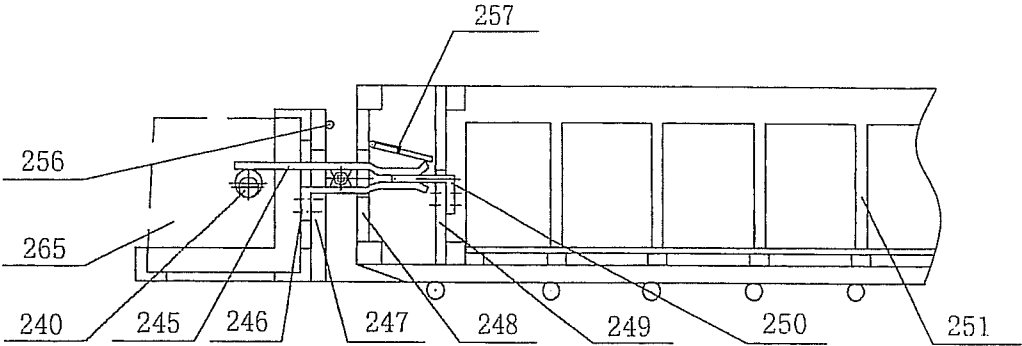


Fig 3A

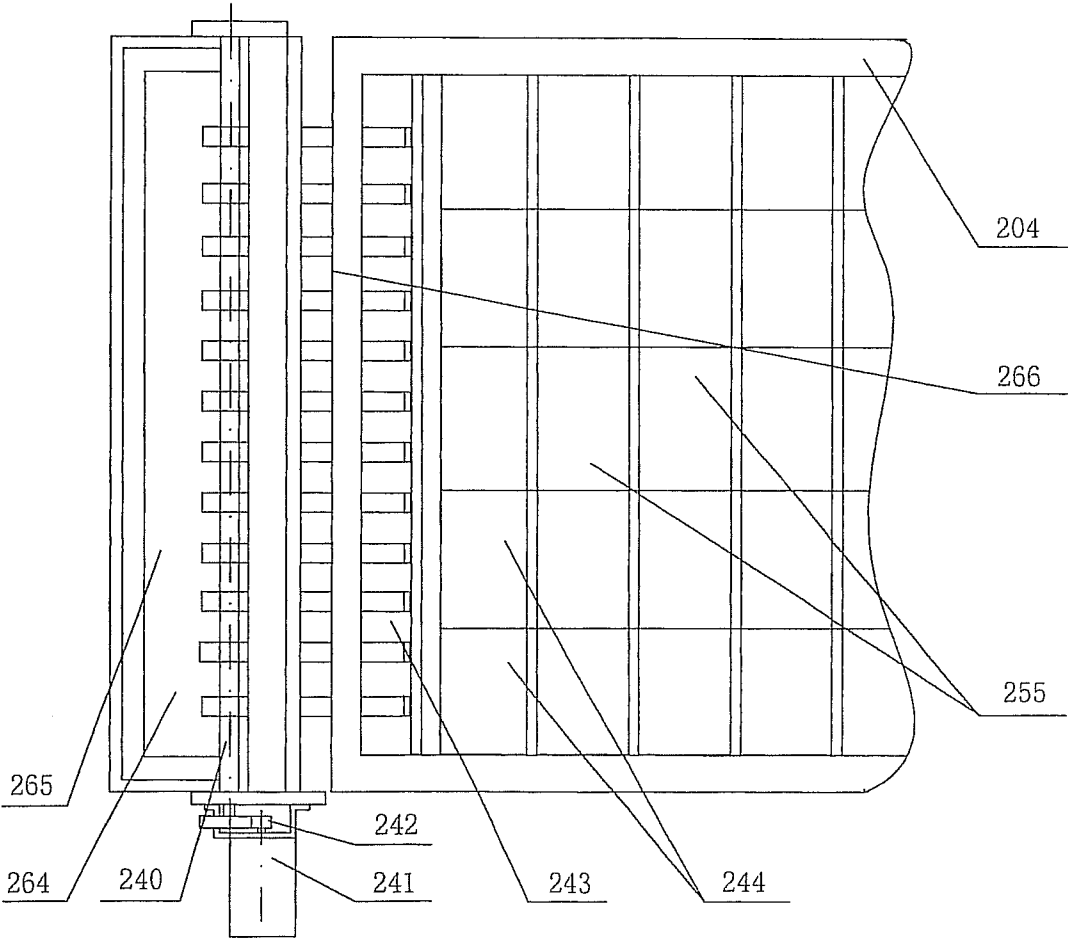


Fig 3B

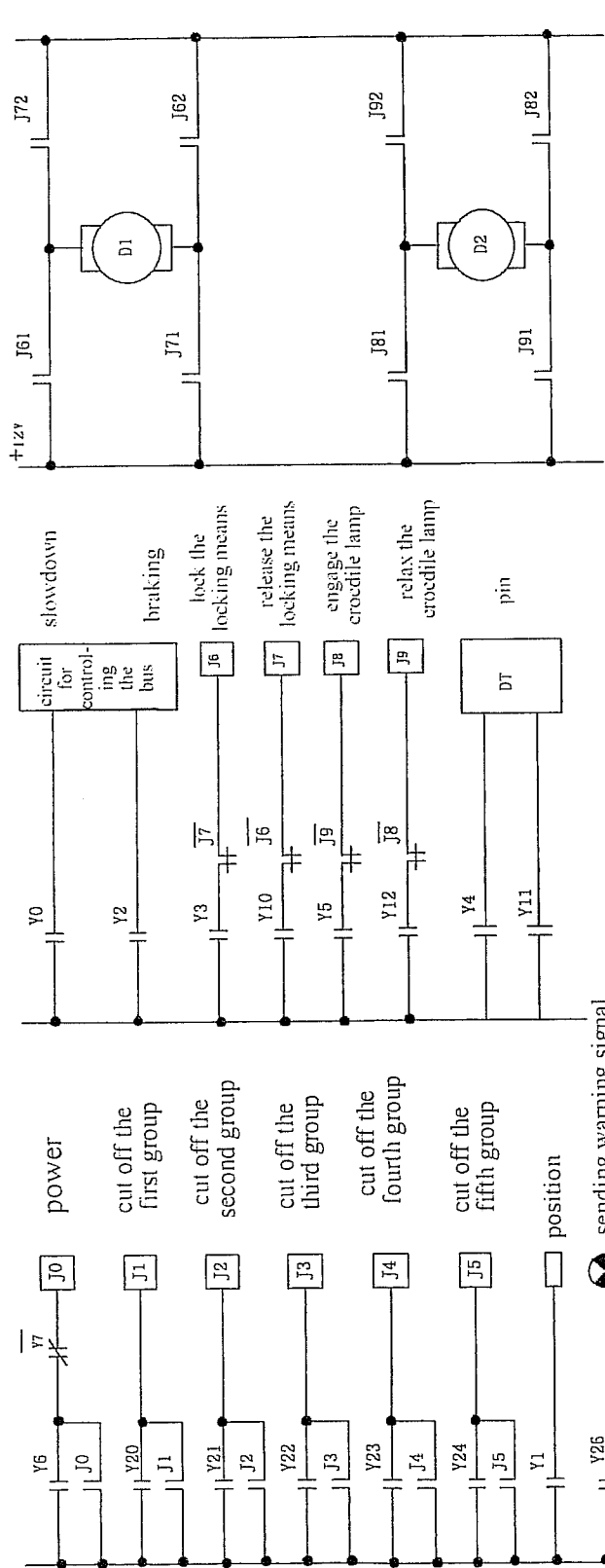


Fig 4A

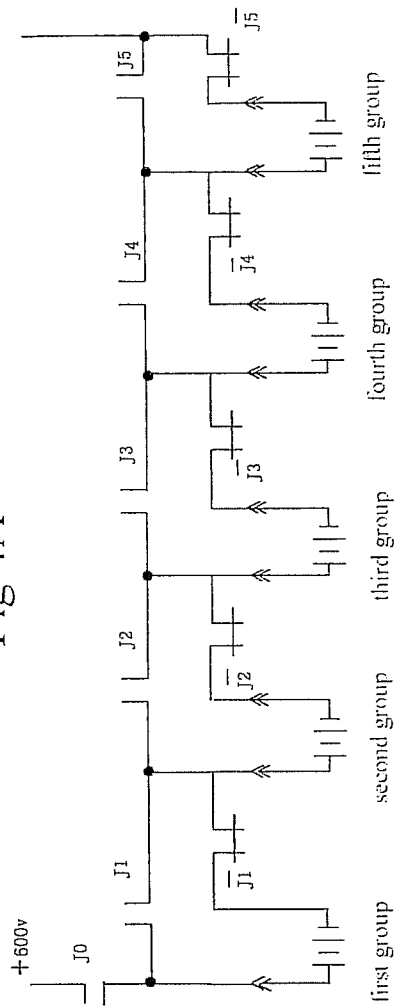


Fig 4B

Fig 4C

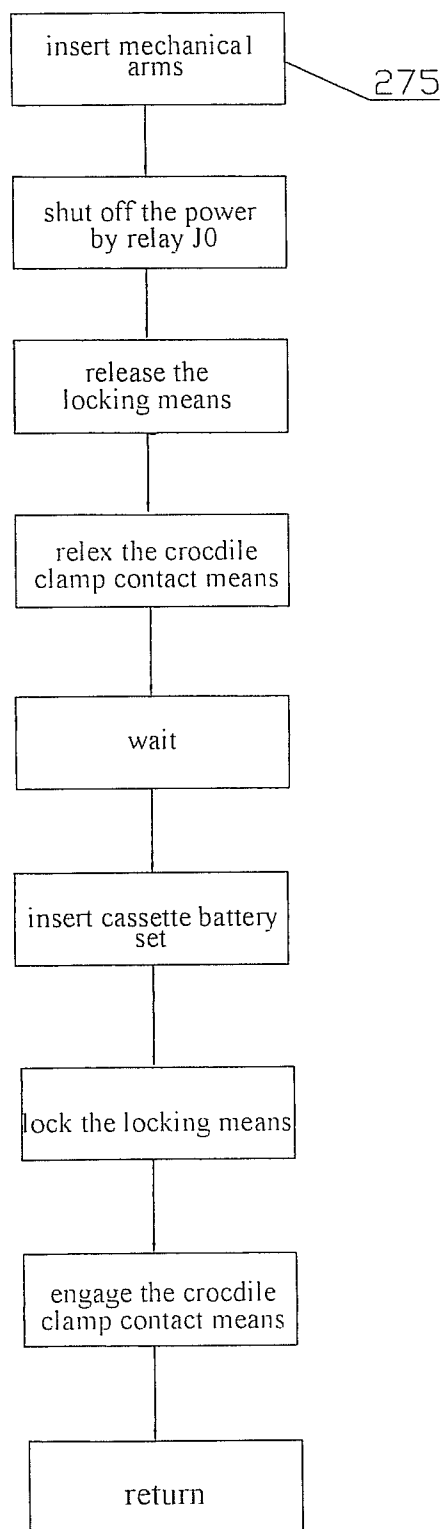
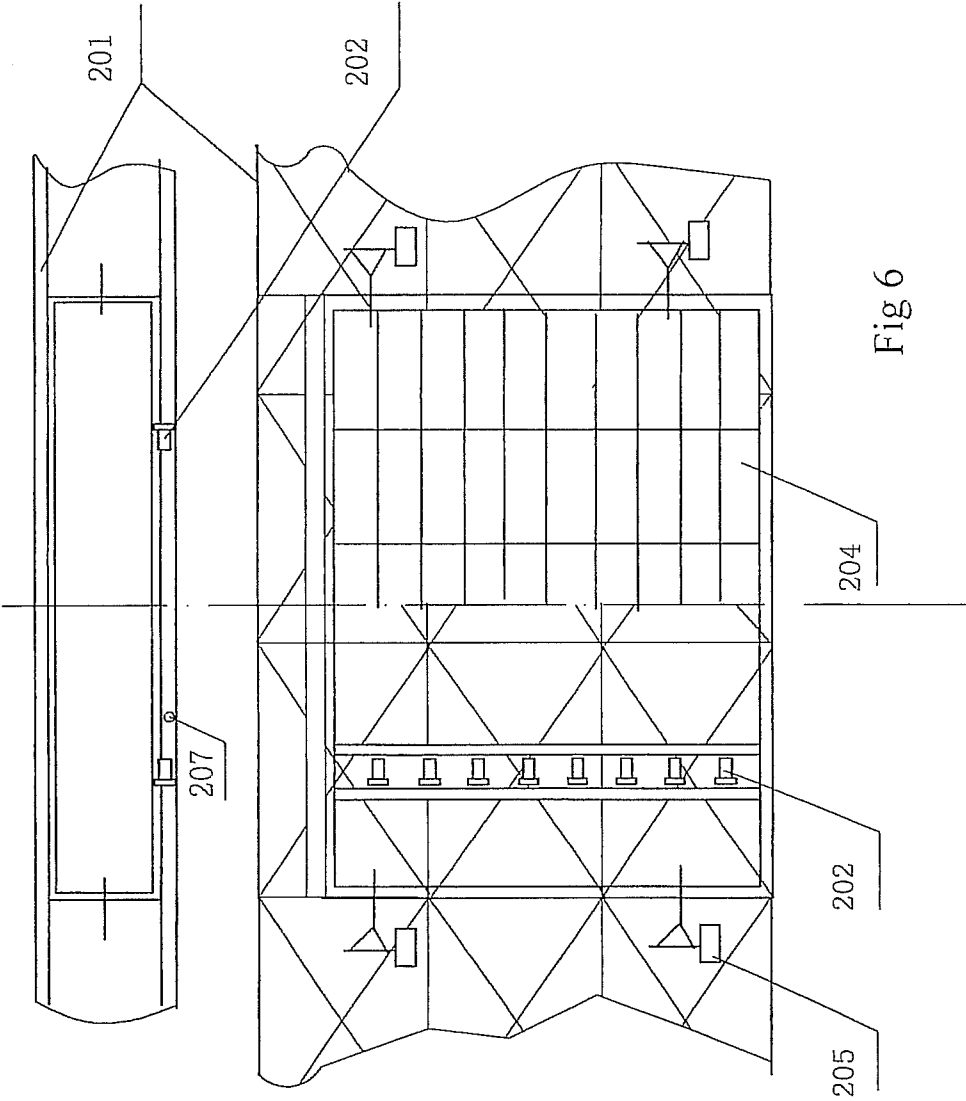


Fig. 5



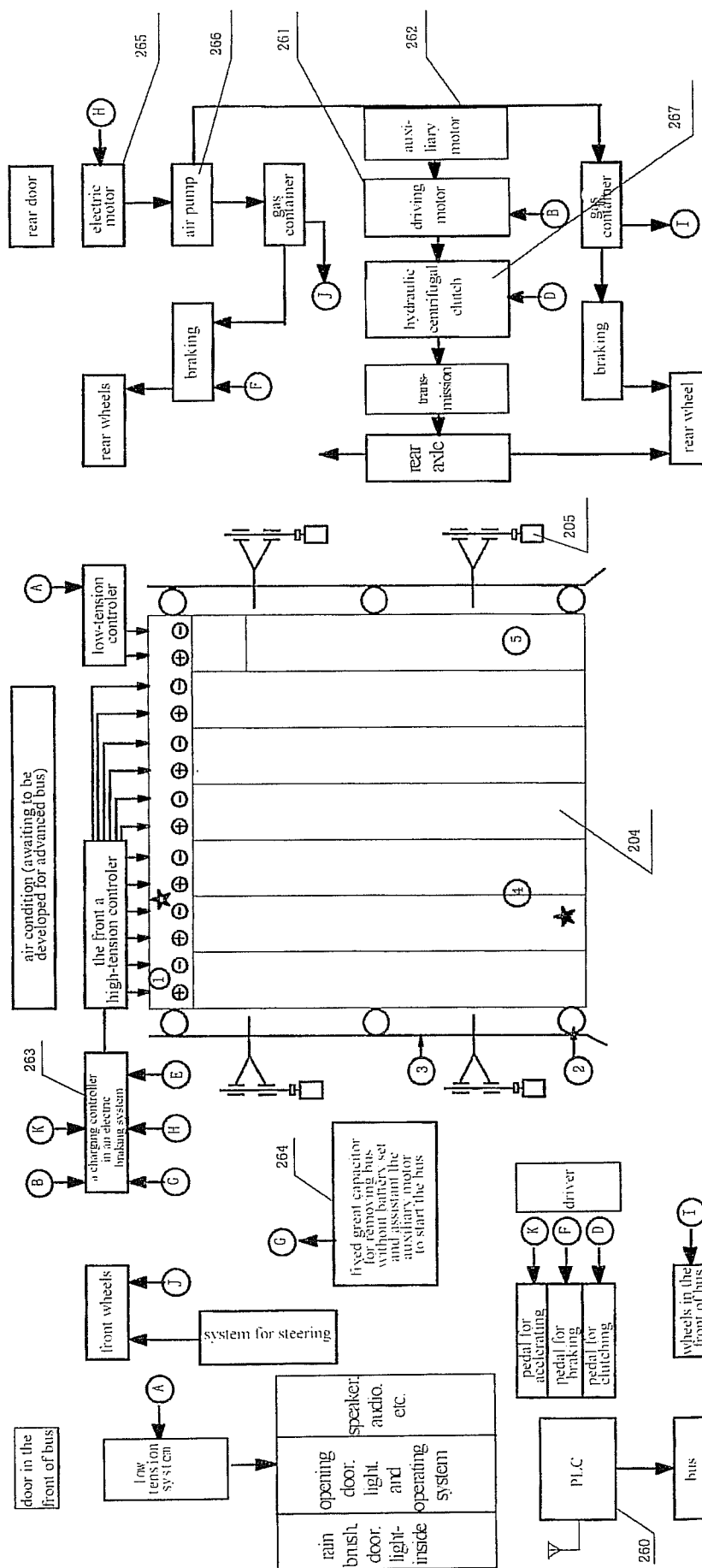


Fig 7

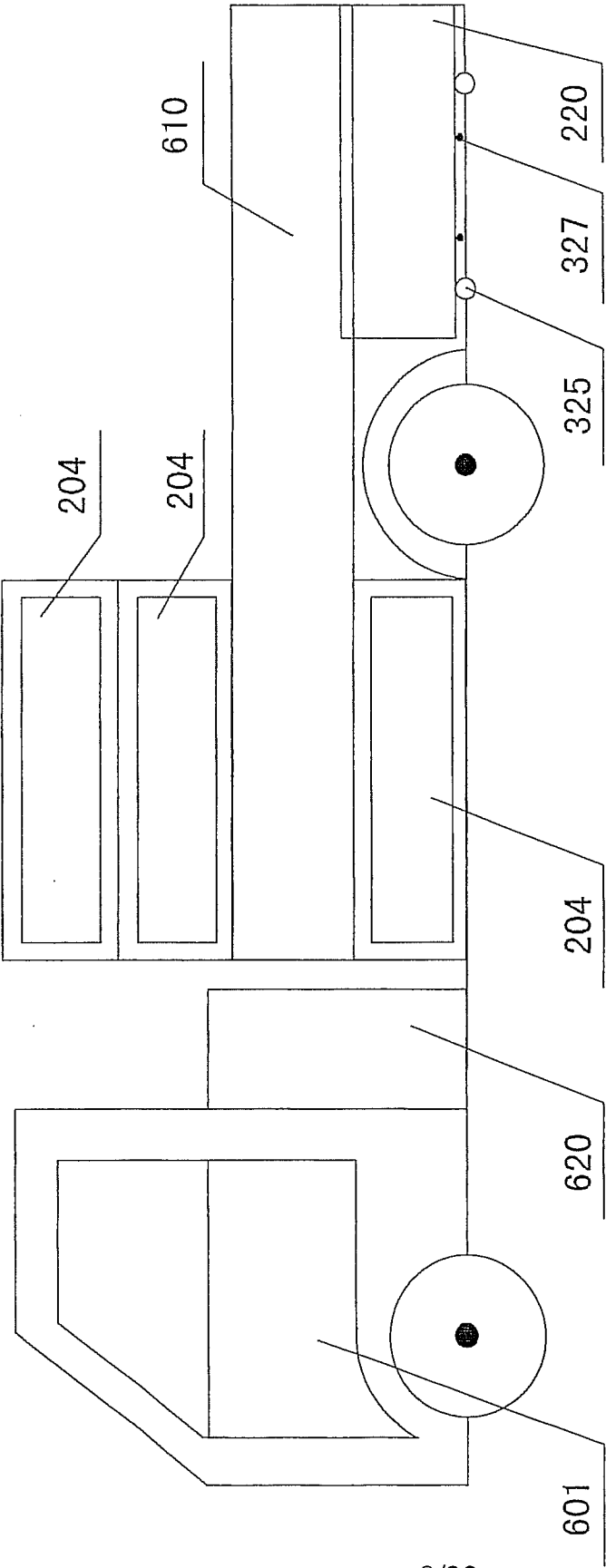


Fig 8

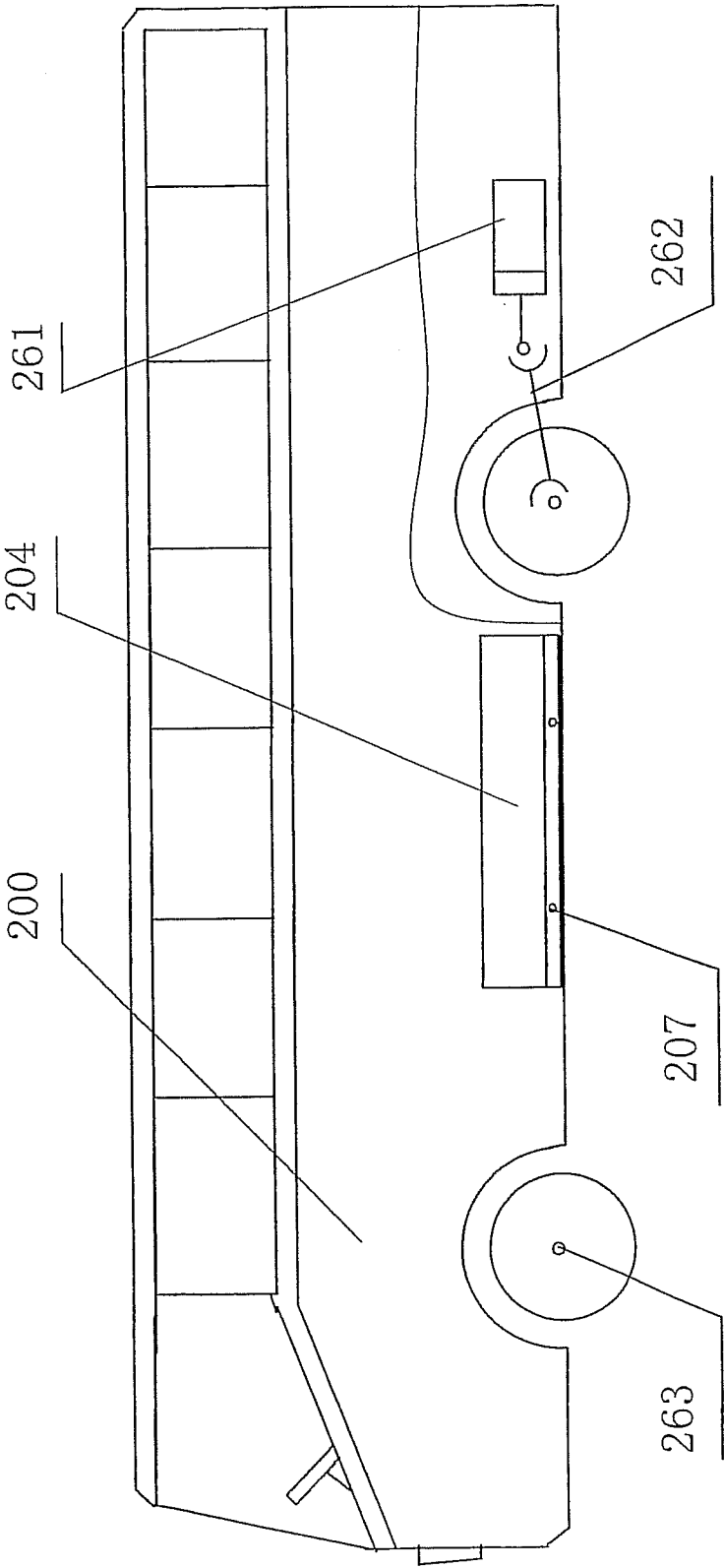


Fig 9A

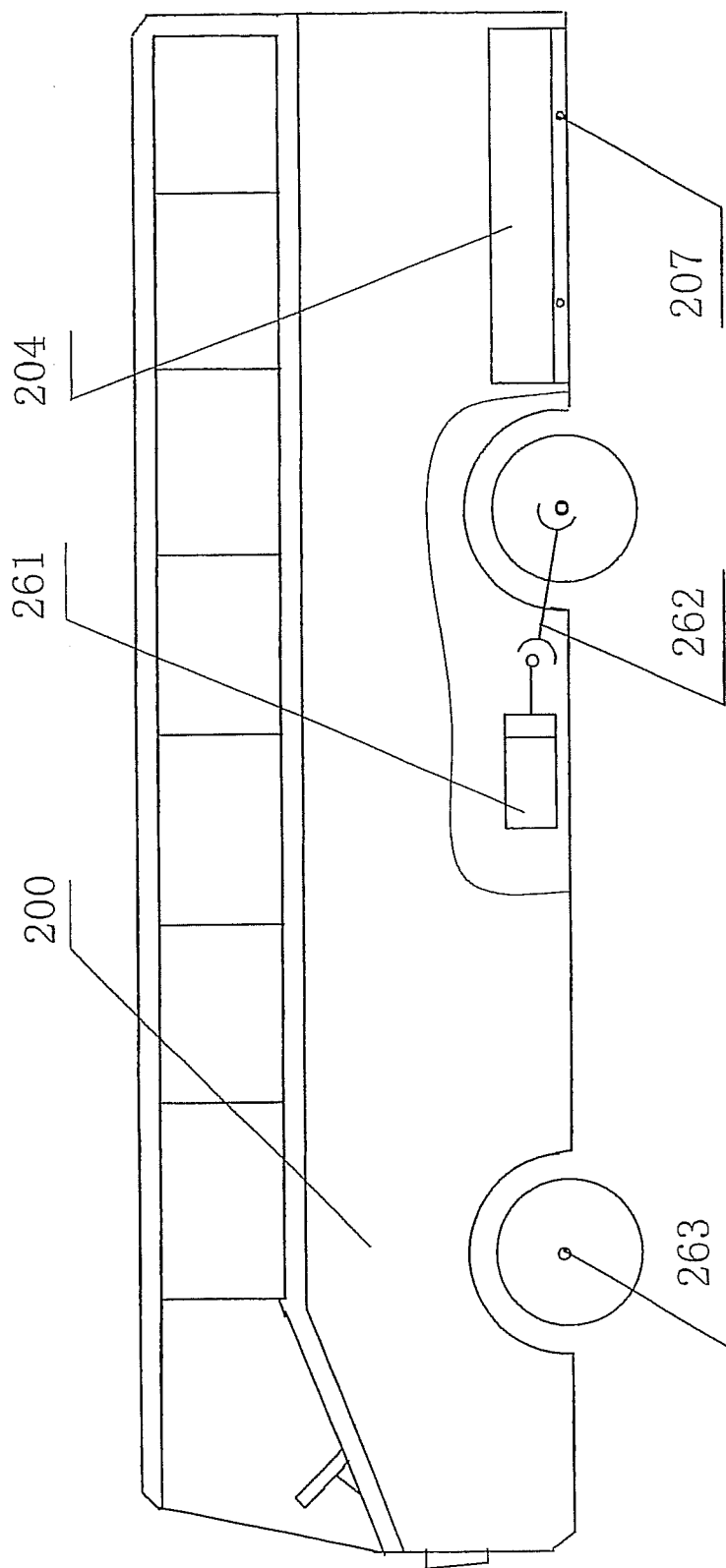


Fig 9B

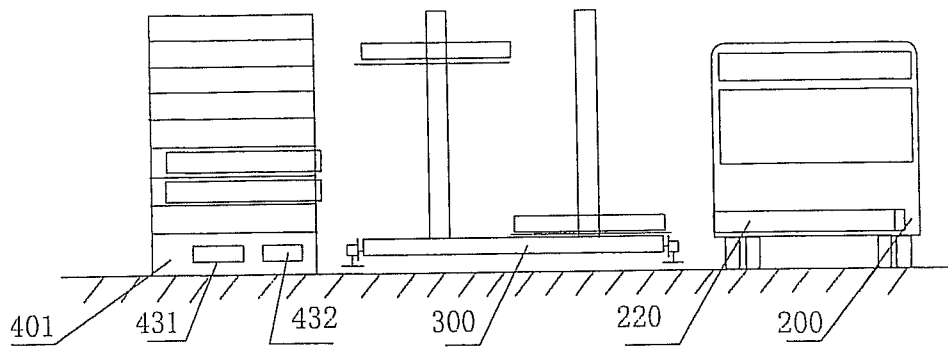


Fig 10A

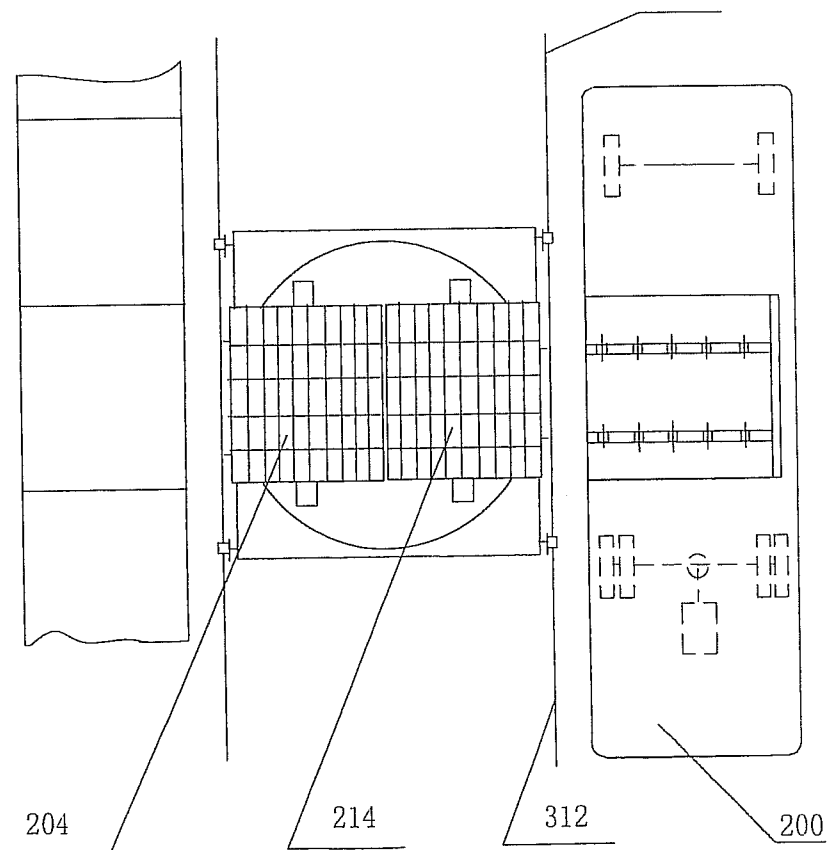


Fig 10B

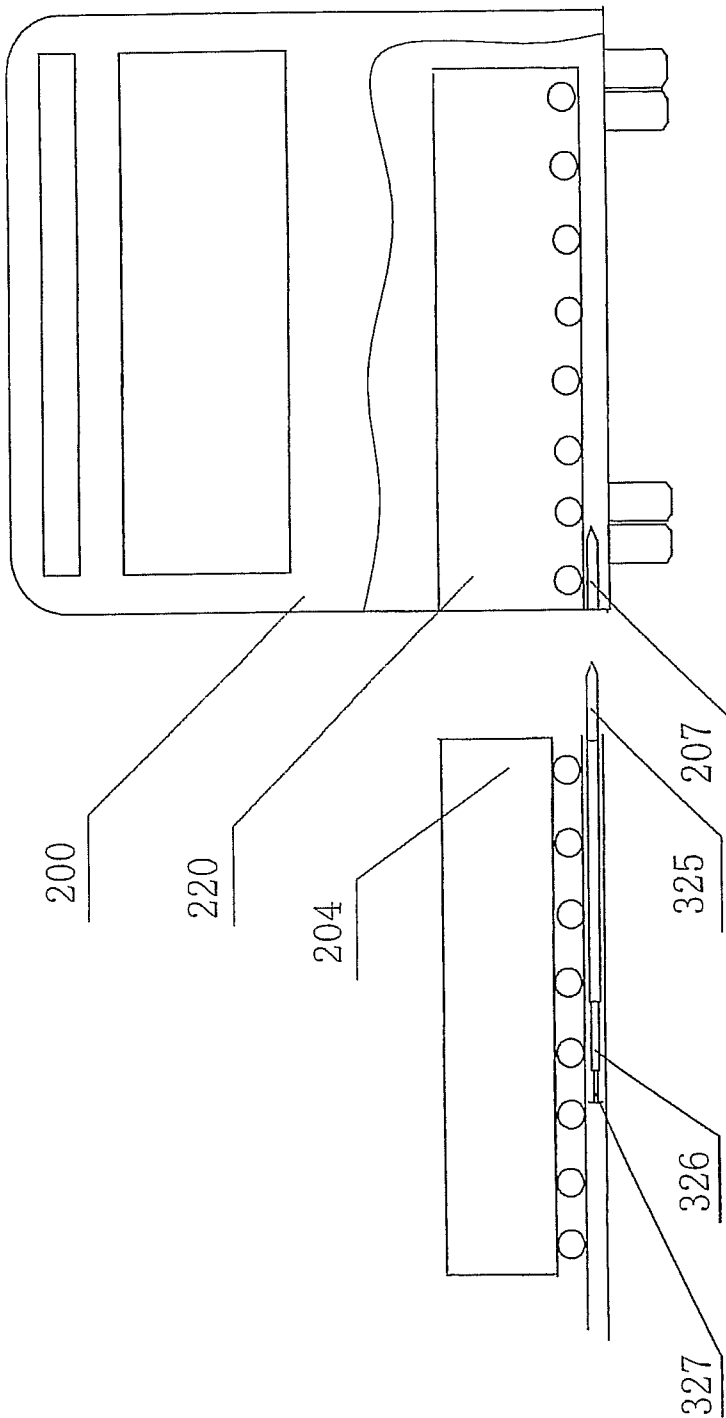


Fig 11

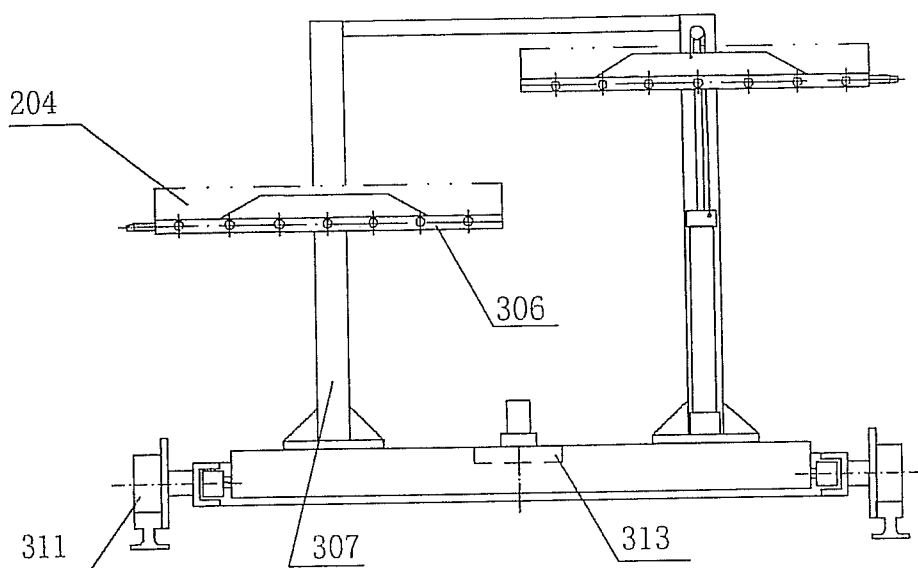


Fig 12A

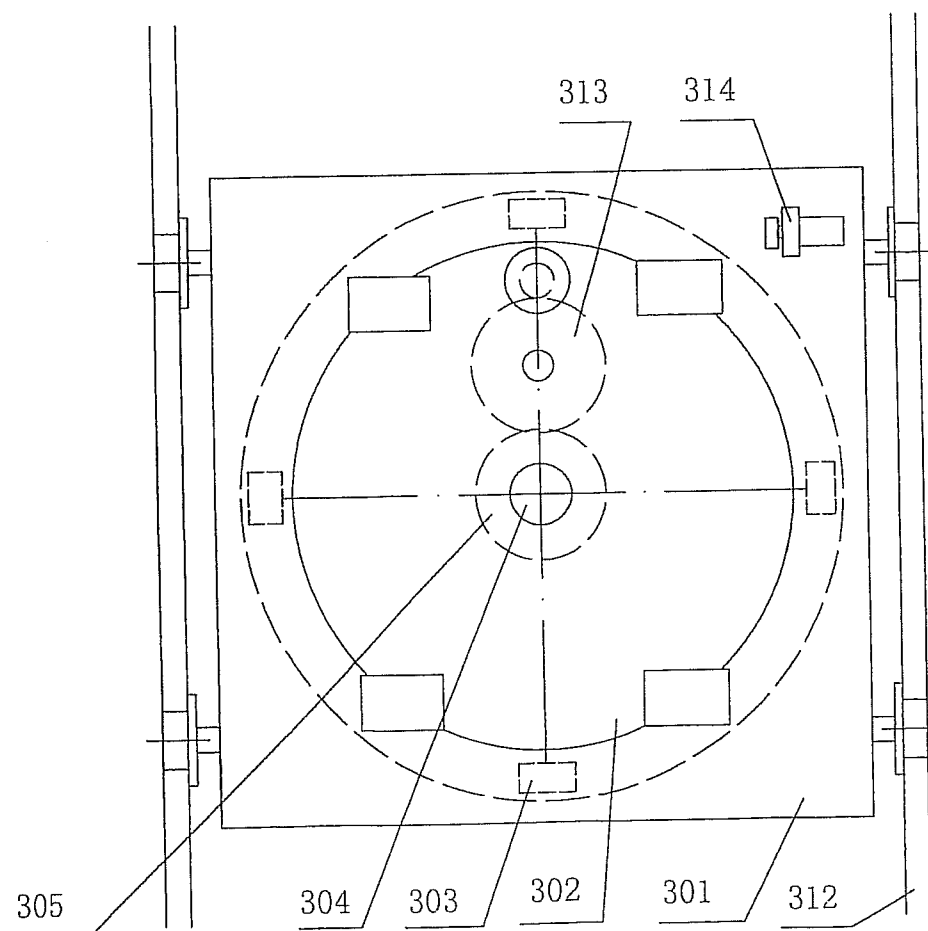


Fig 12B

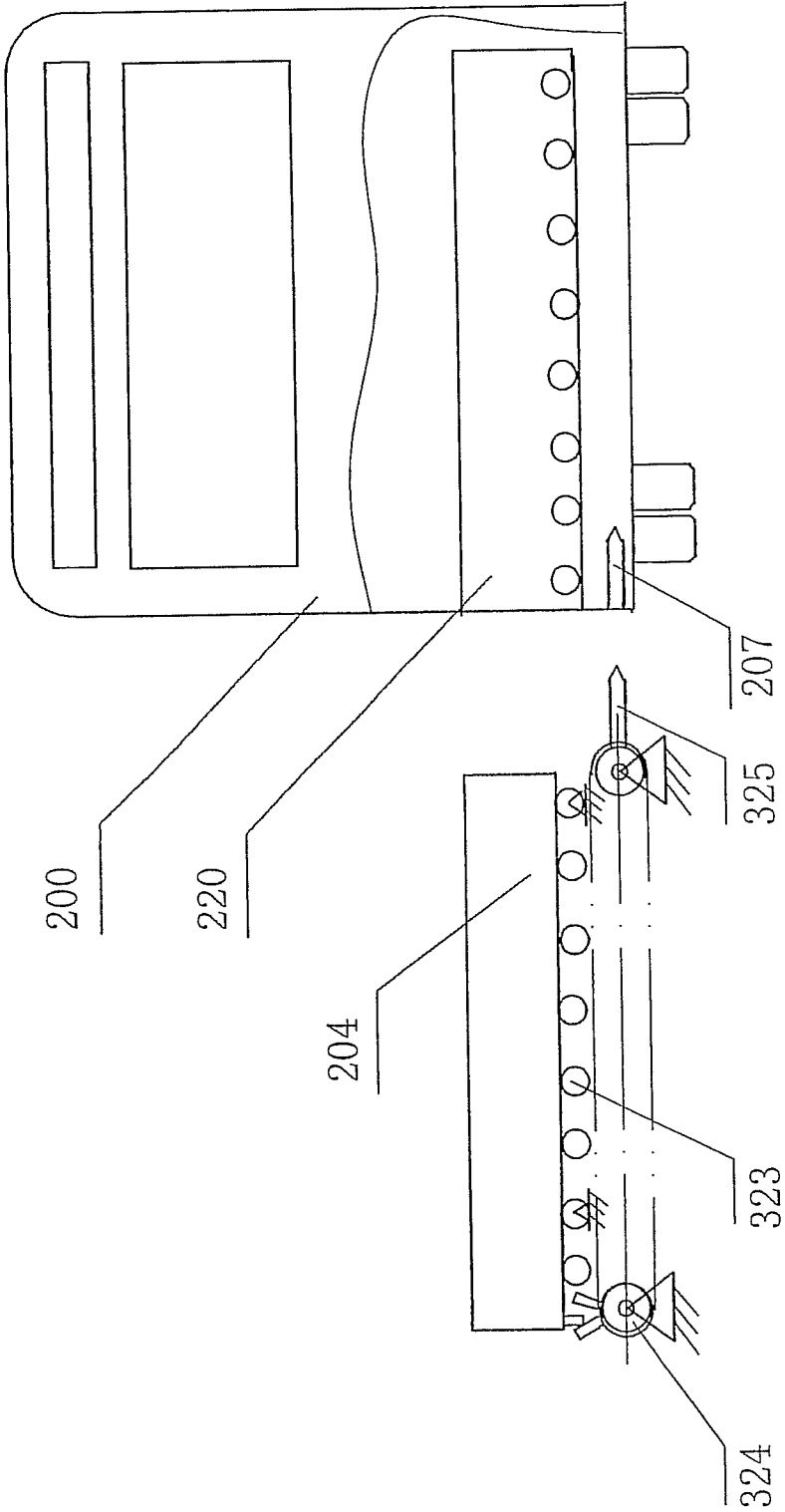


Fig 13

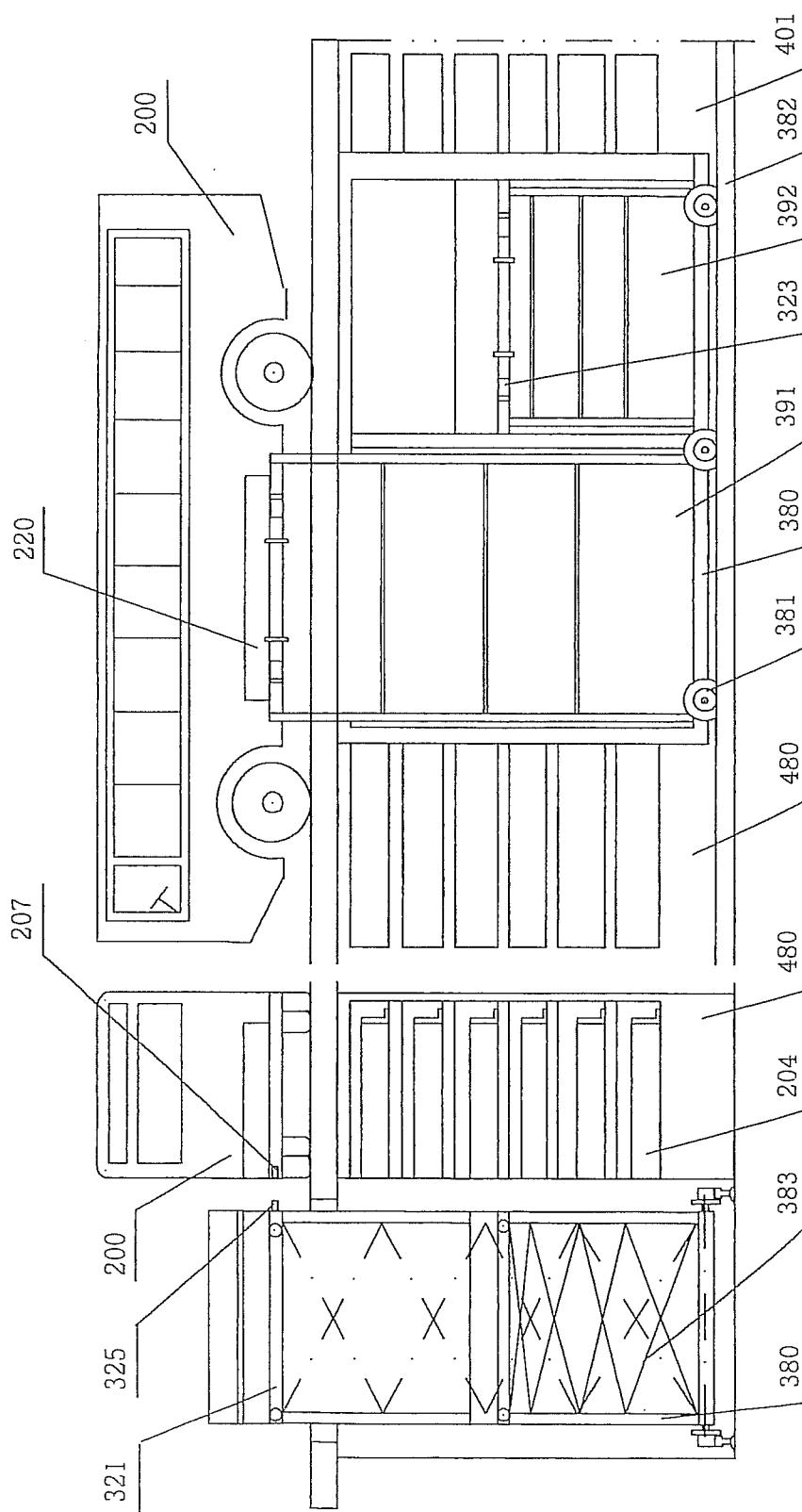
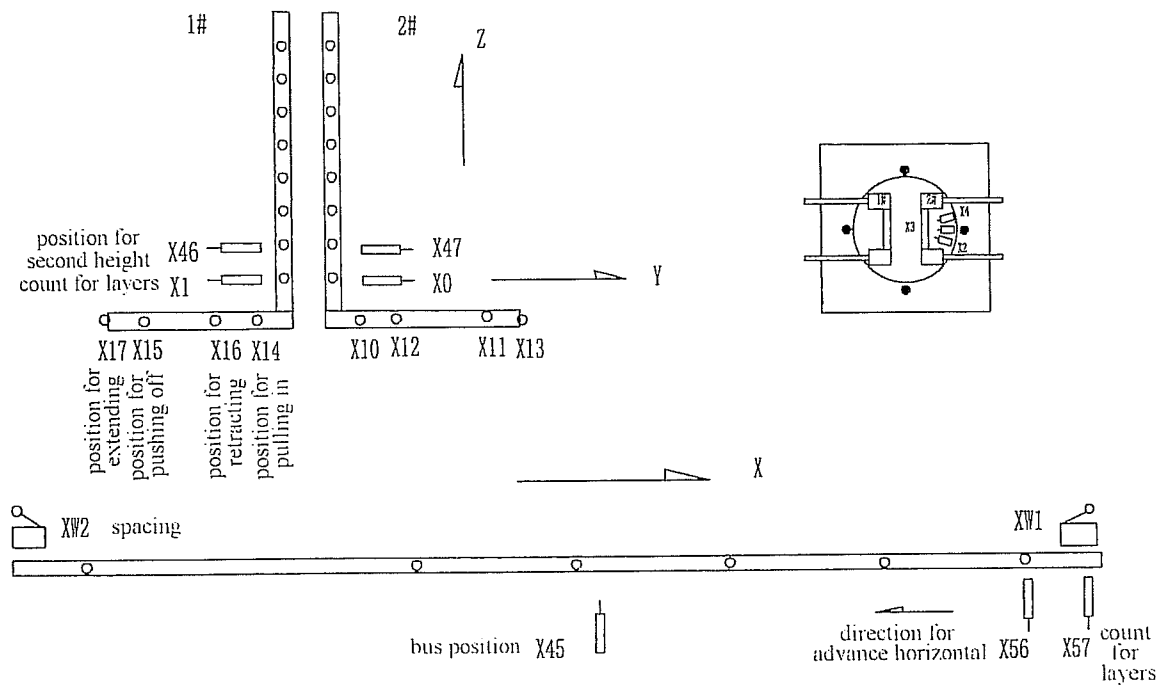


Fig 14B

Fig 14A



layout diagram of sensors on mechanical arms (47 points)

Fig 15

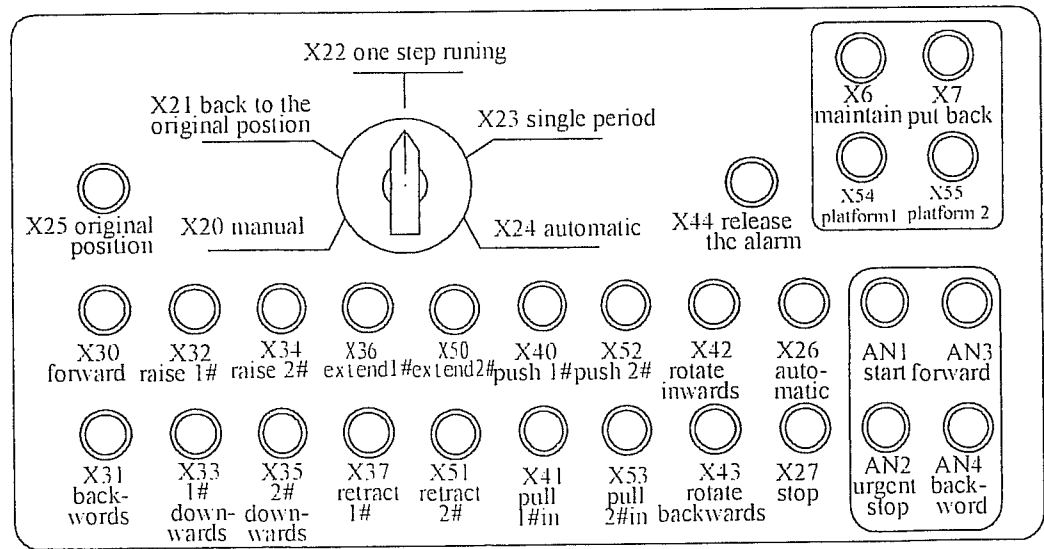


Fig 16

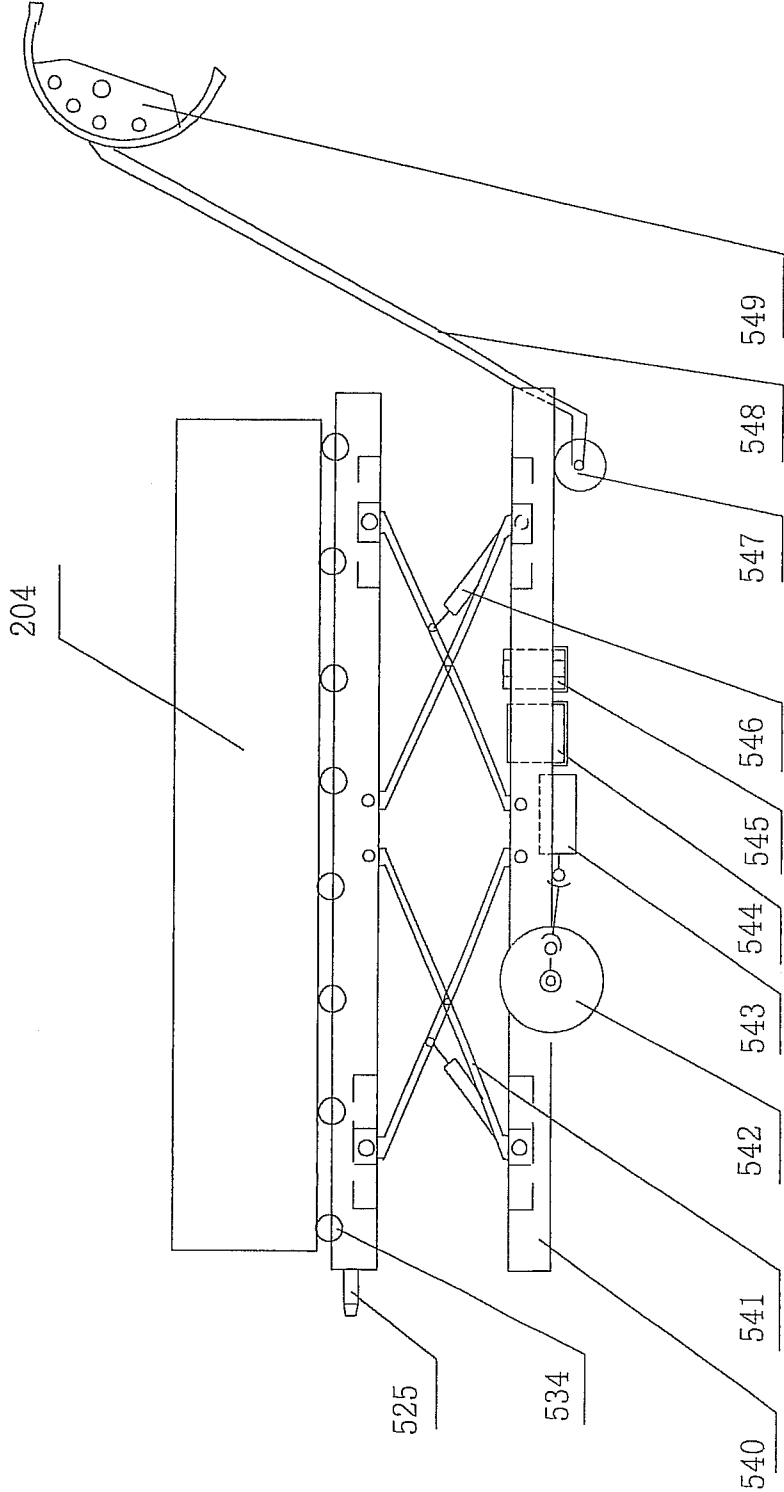


Fig 17

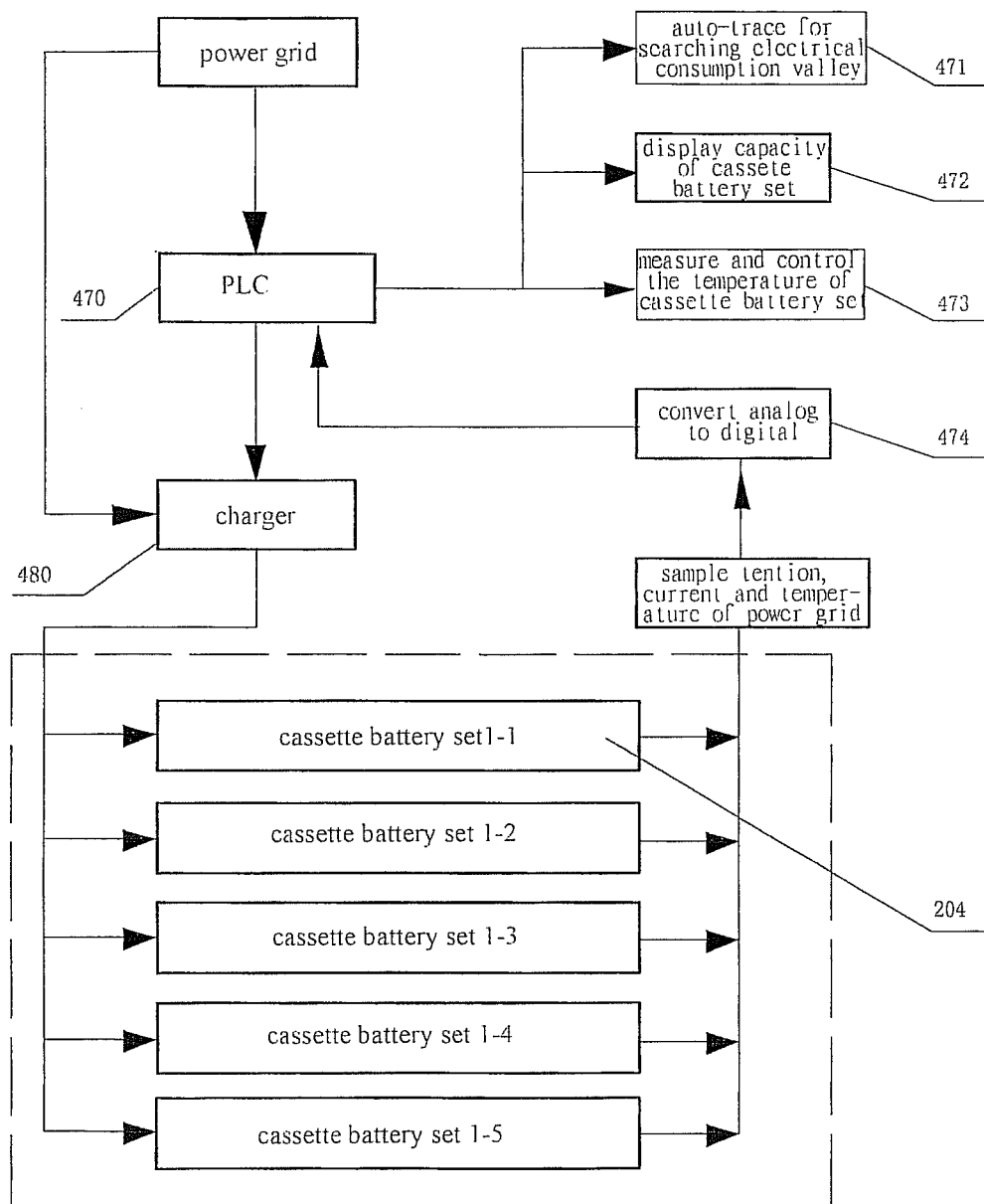


Fig. 18

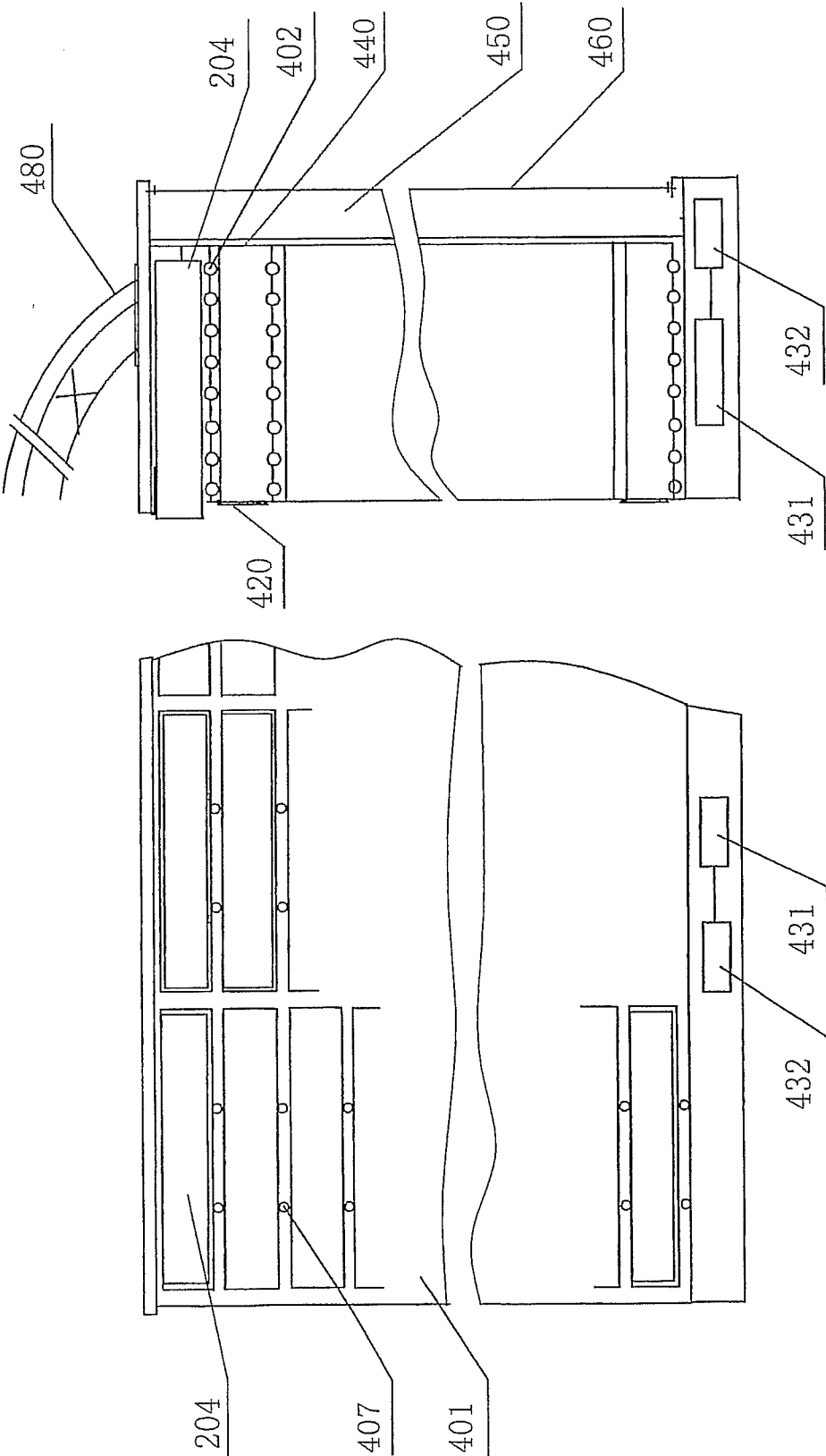


Fig 19B

Fig 19A

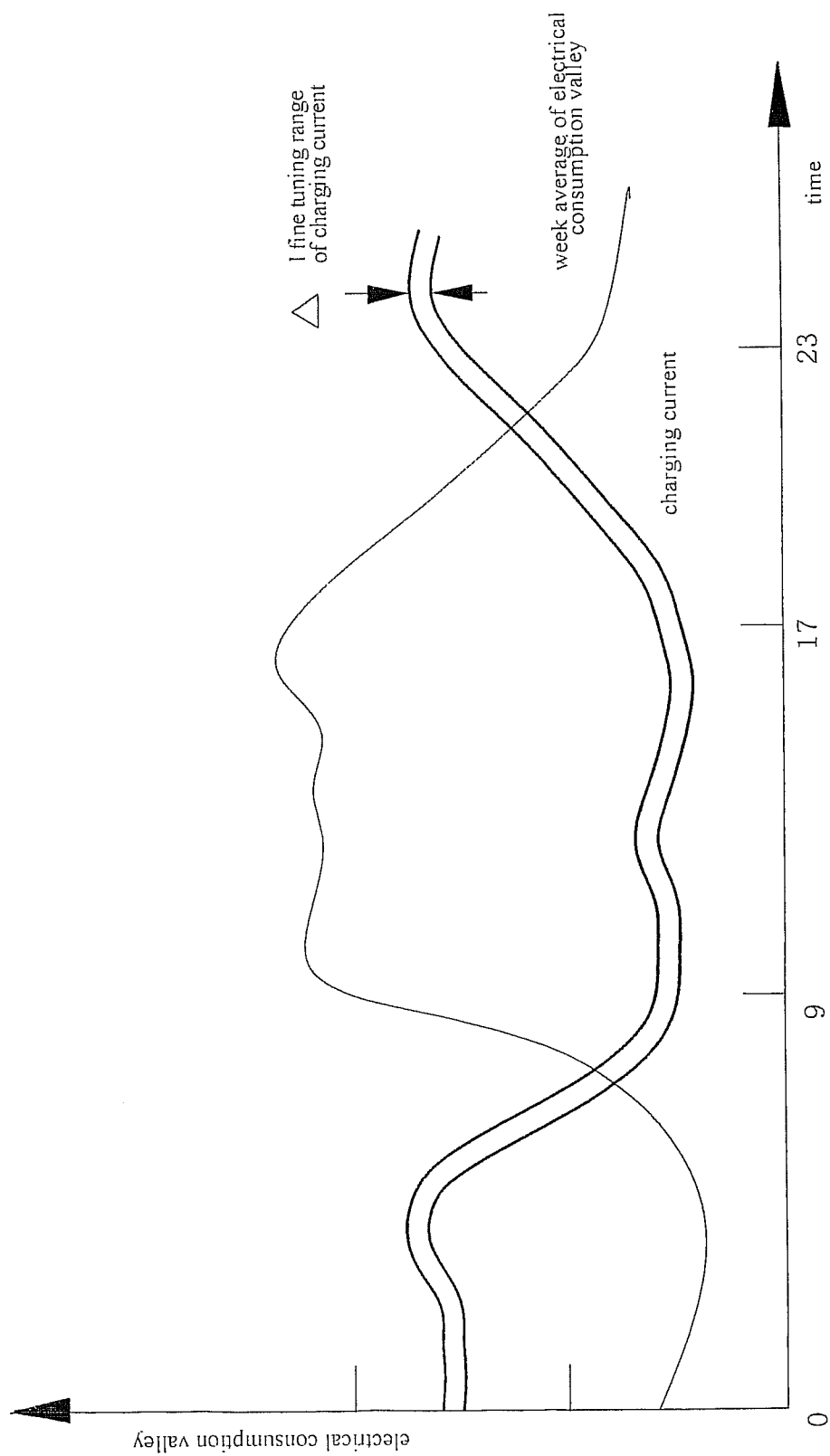
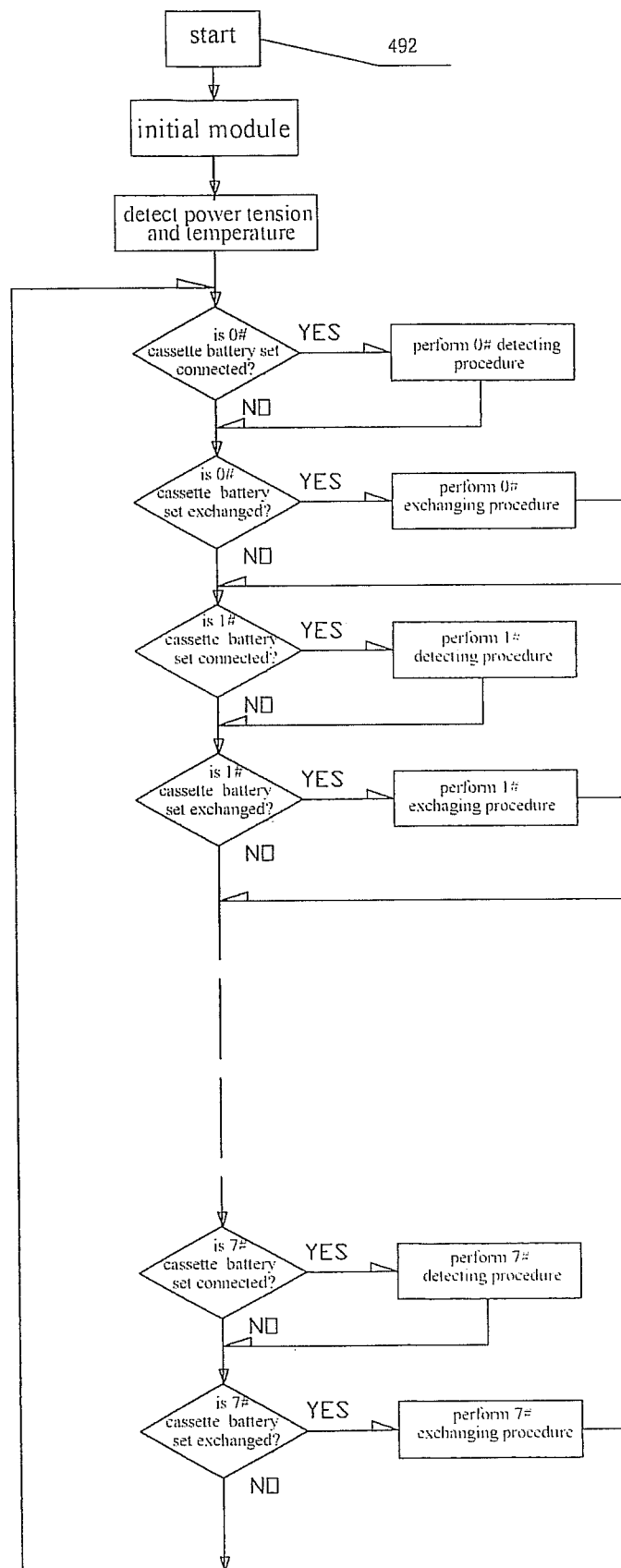


Fig 20

Fig. 21
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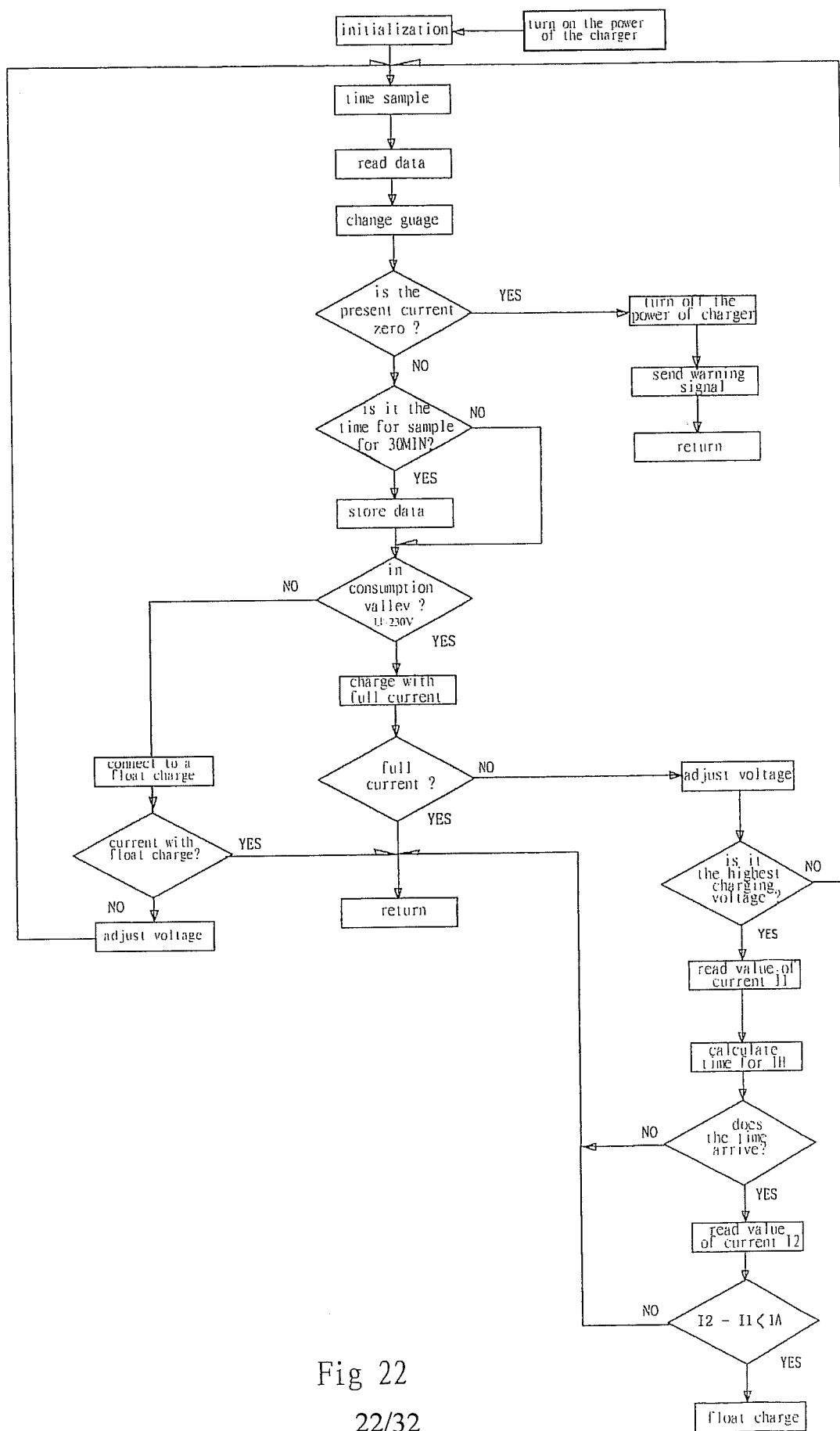


Fig 22

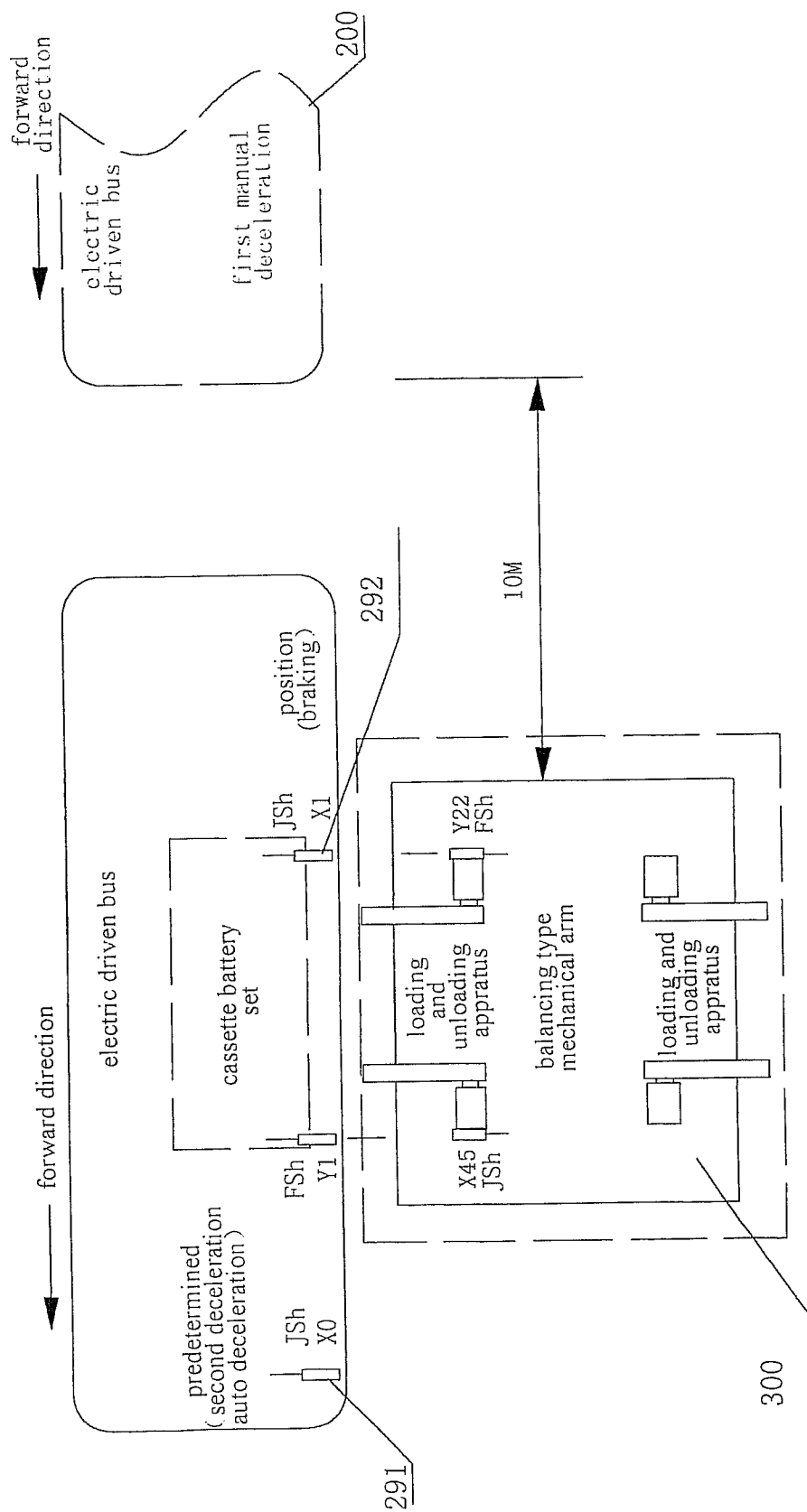


Fig 23

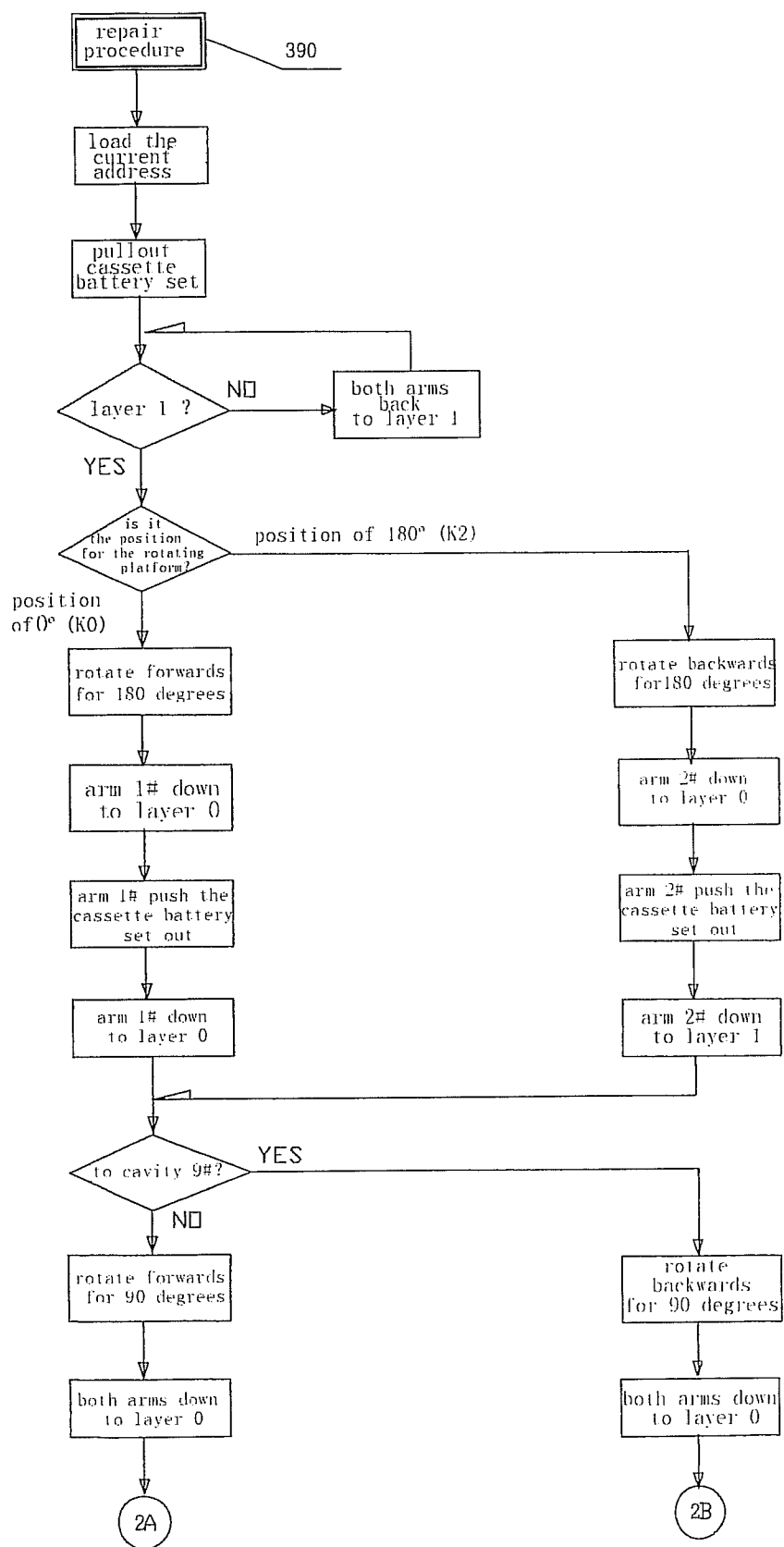
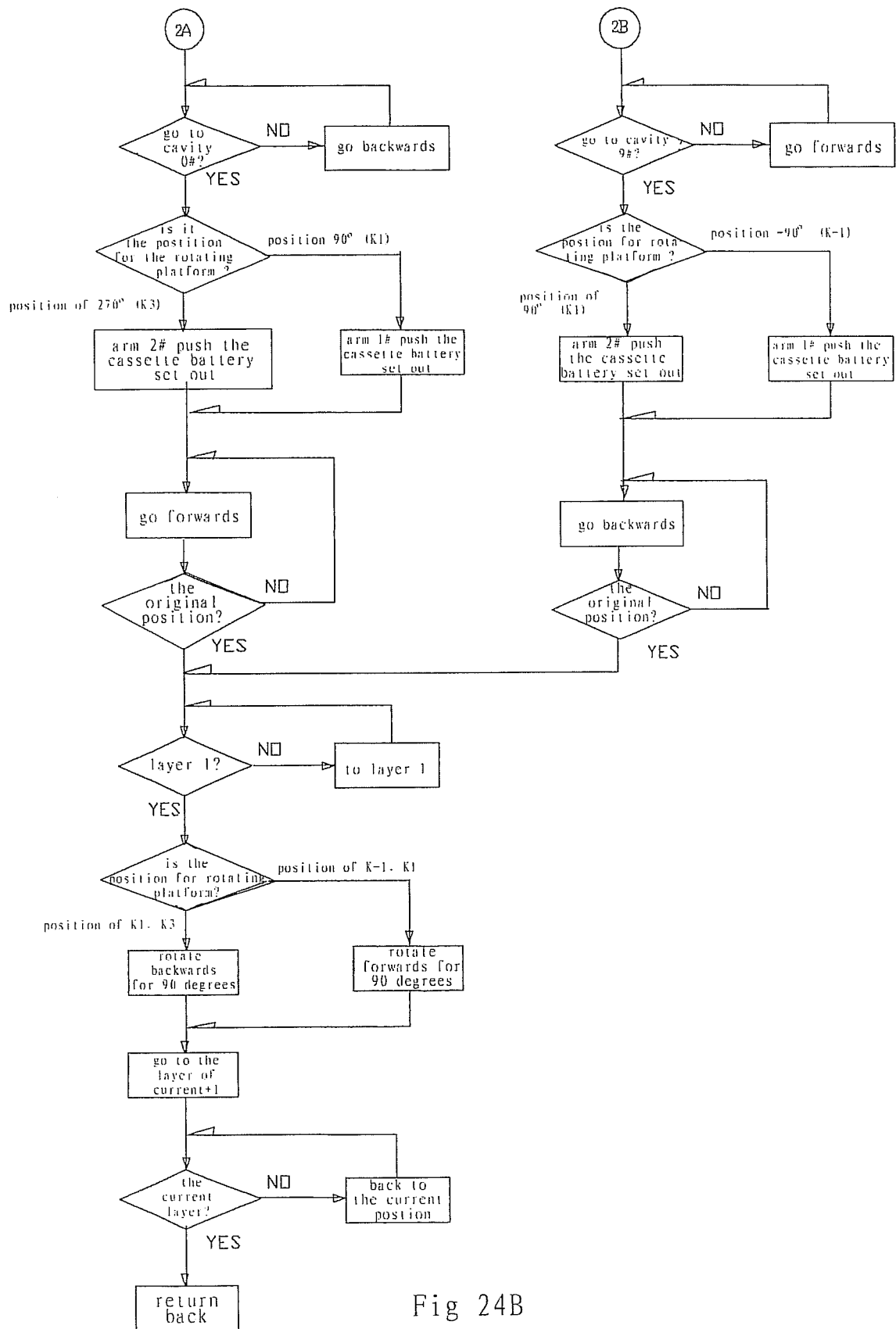


Fig 24A



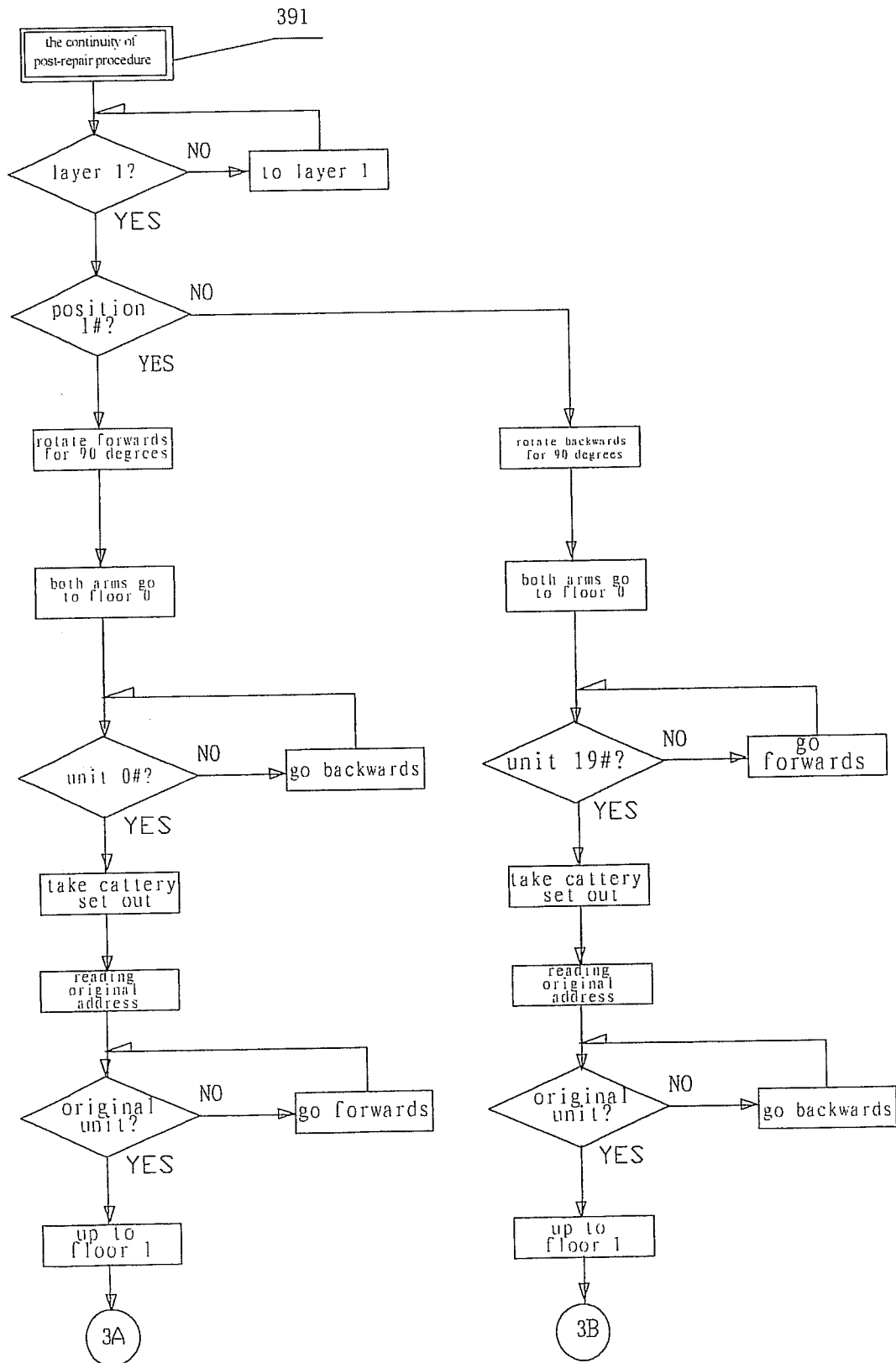


Fig 25A

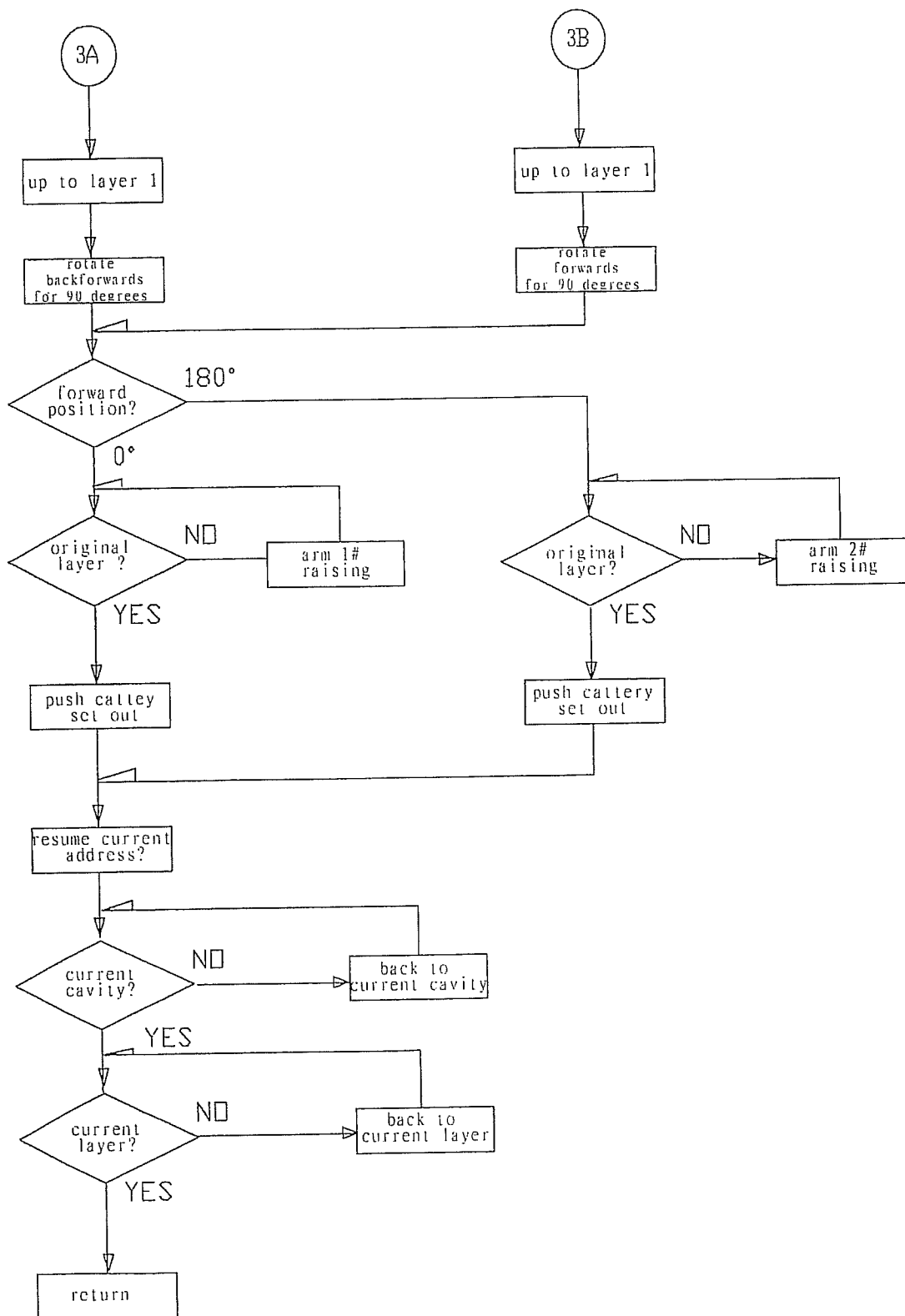


Fig 25B

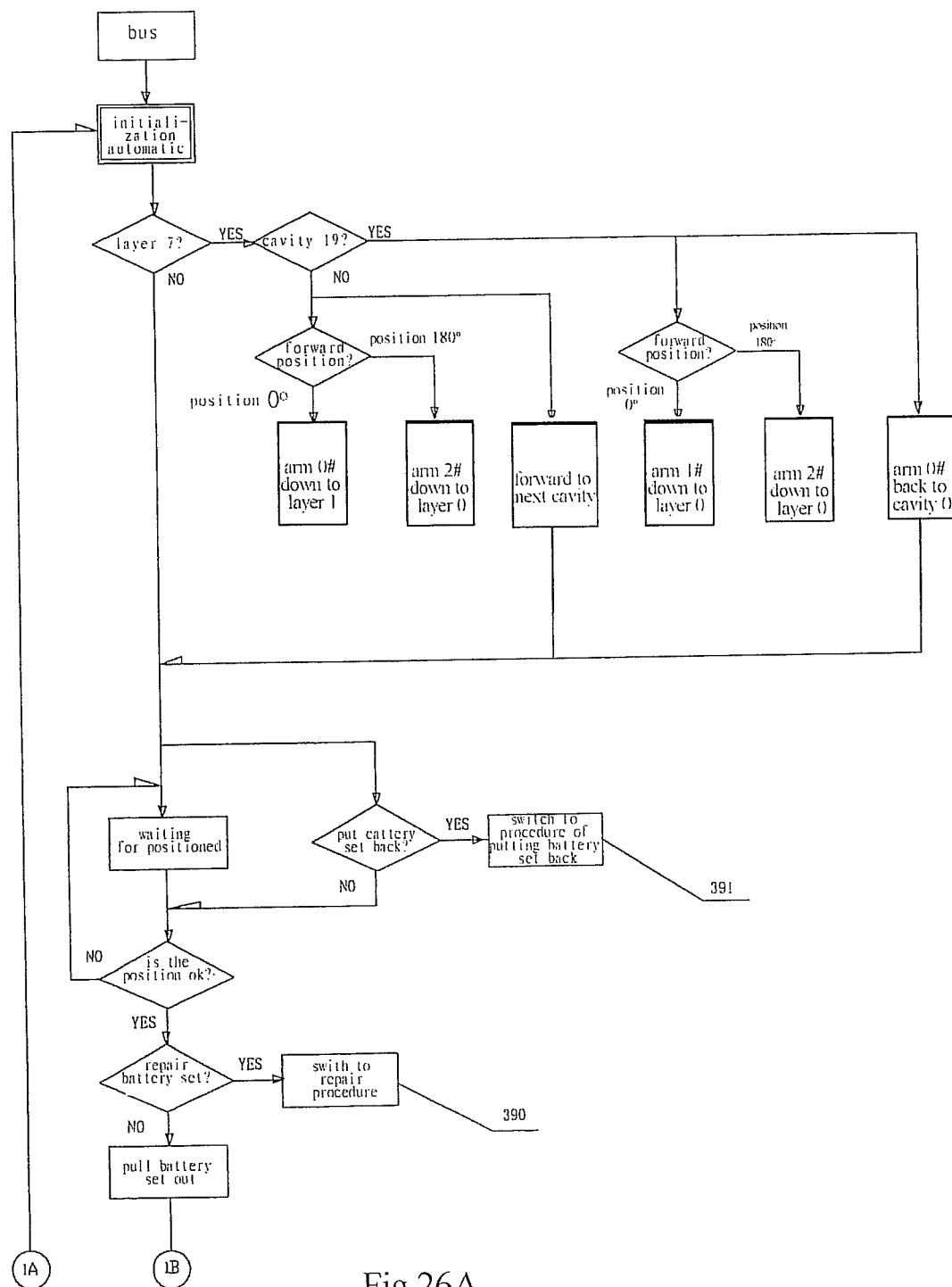


Fig 26A

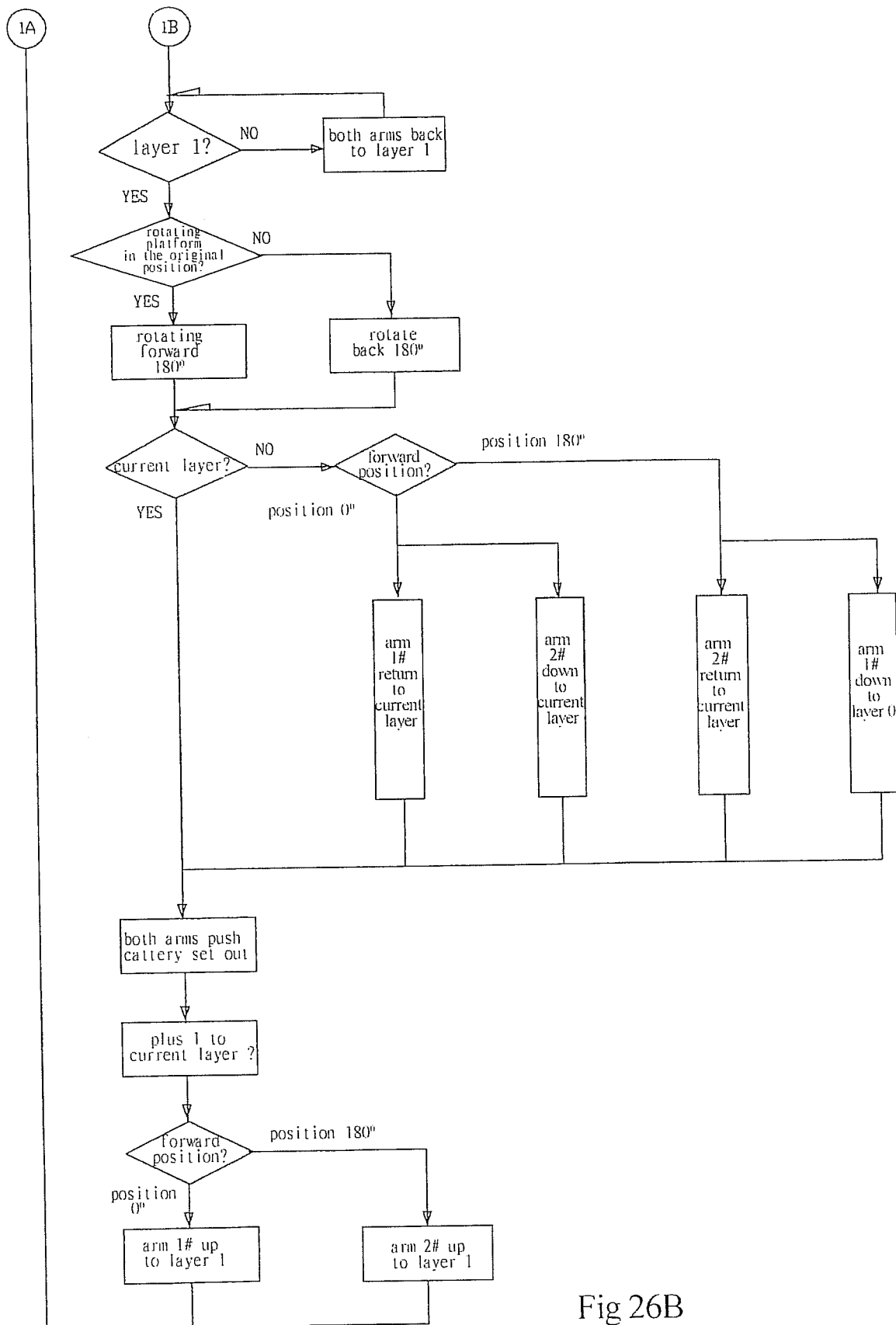


Fig 26B

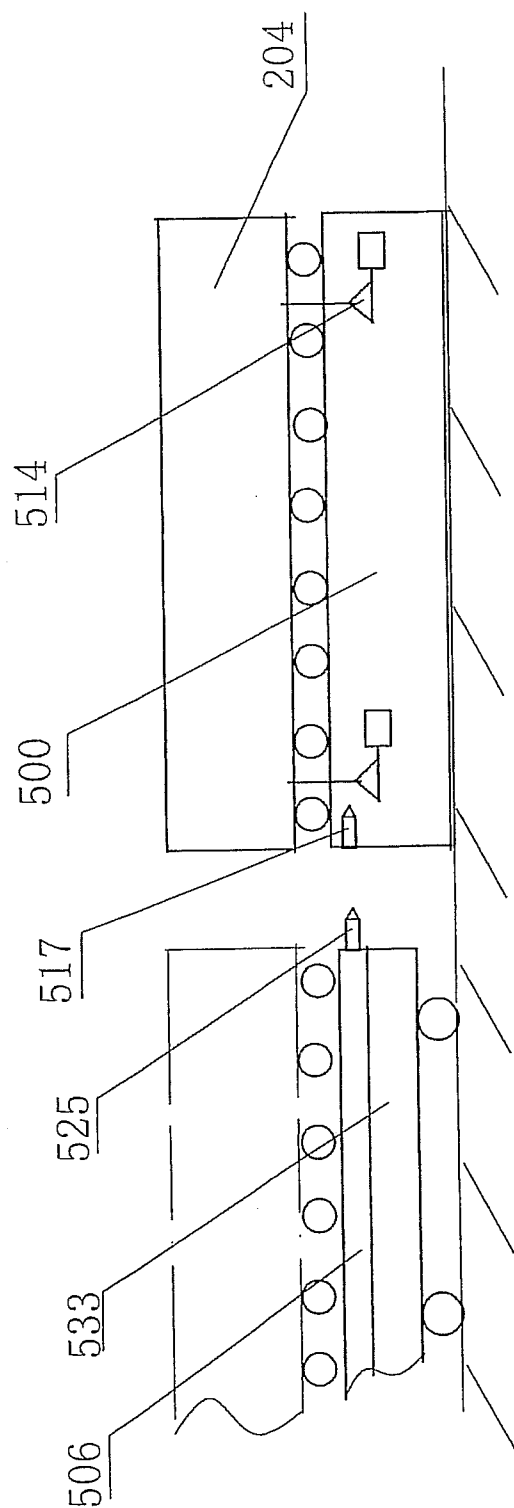


Fig 27

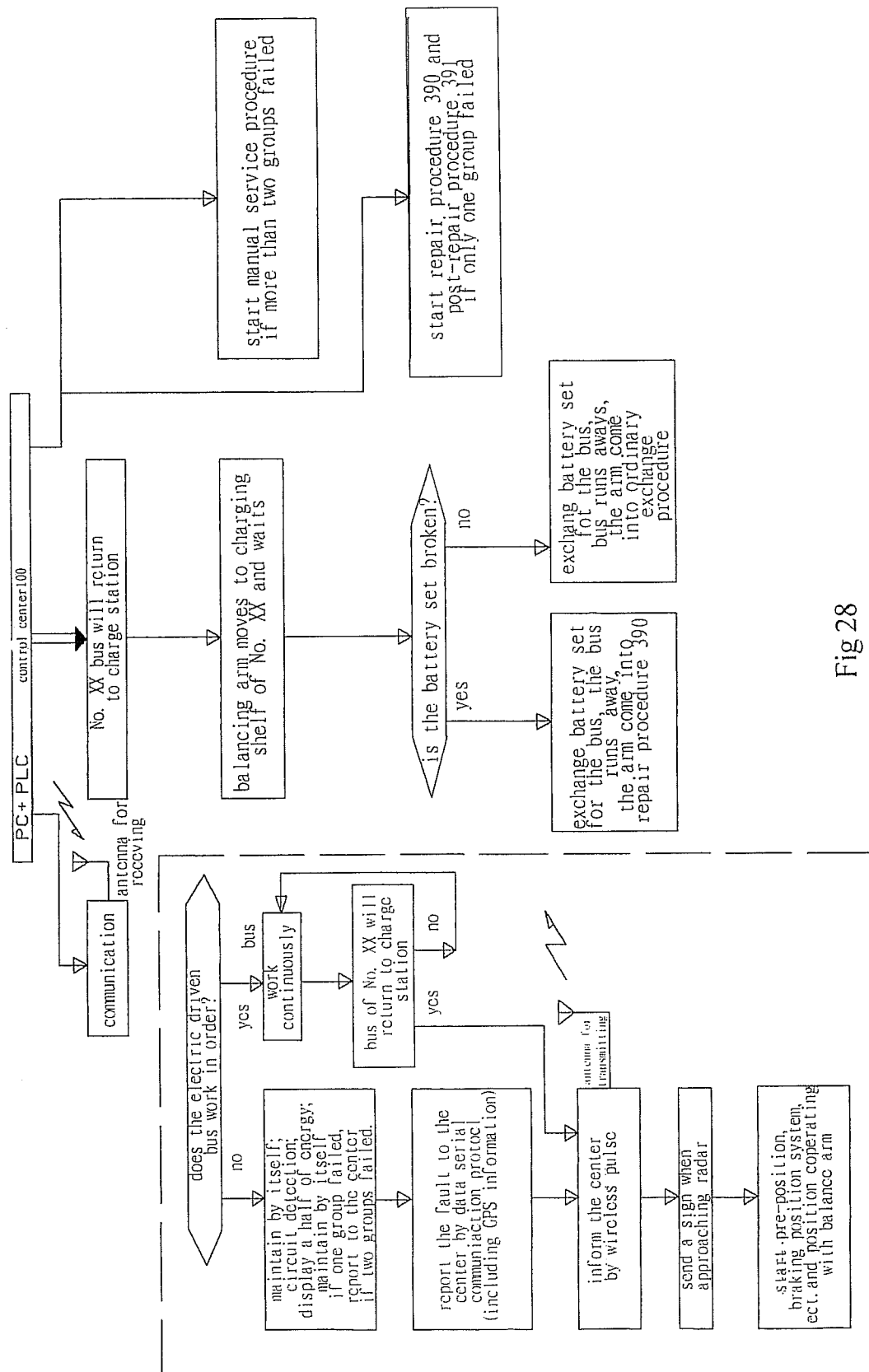


Fig 28

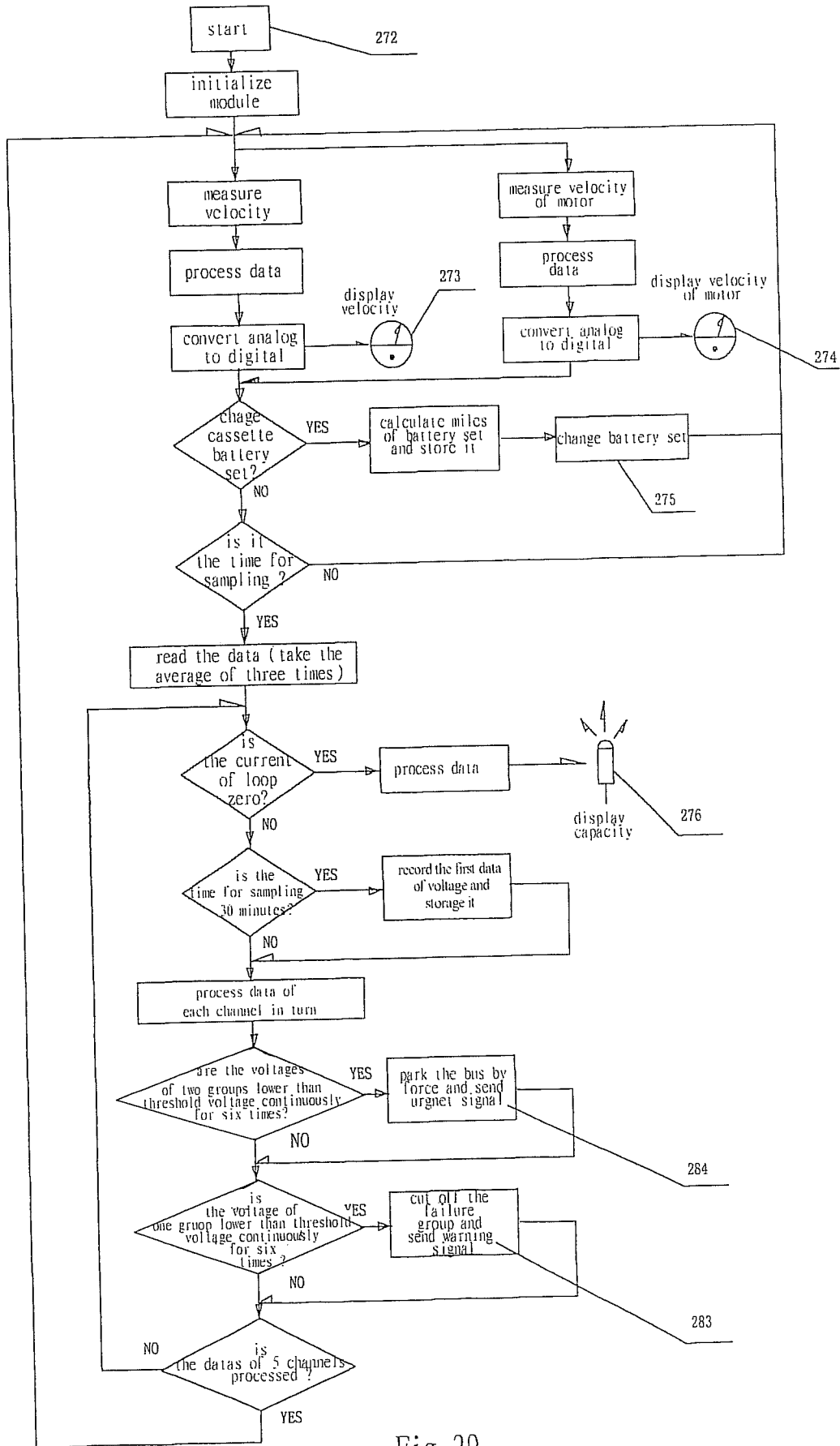


Fig 29