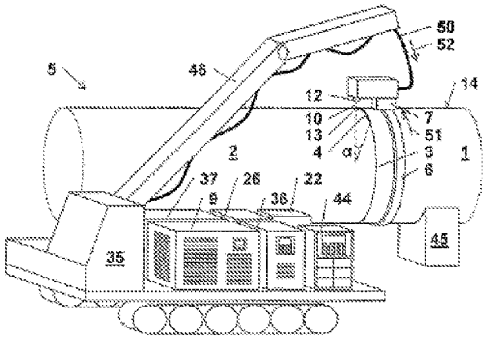
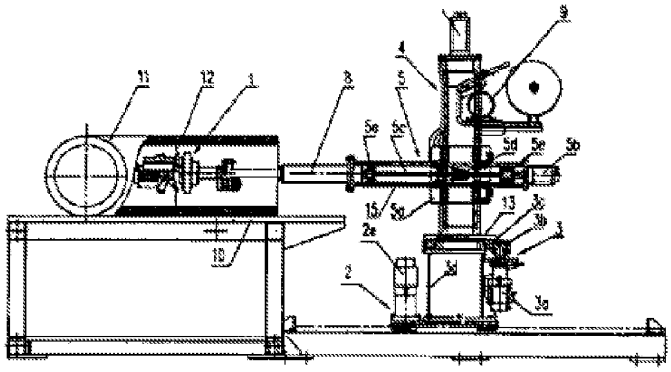


Fig 1



Prior art 1: ZL200480036640.2

Fig. 2



Prior art 2: CN 102350567 B

Fig. 3

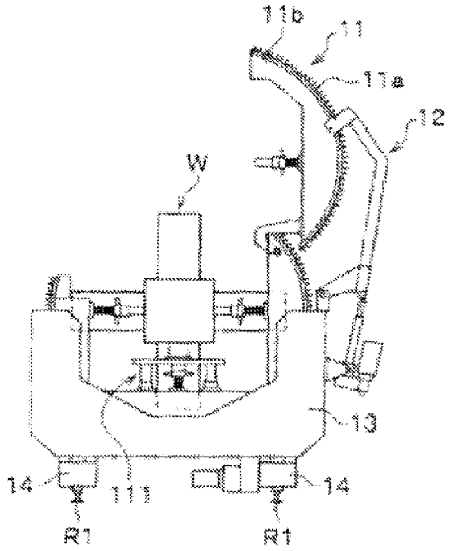


Fig. 4. Prior art 3: US 10,843,285 B2

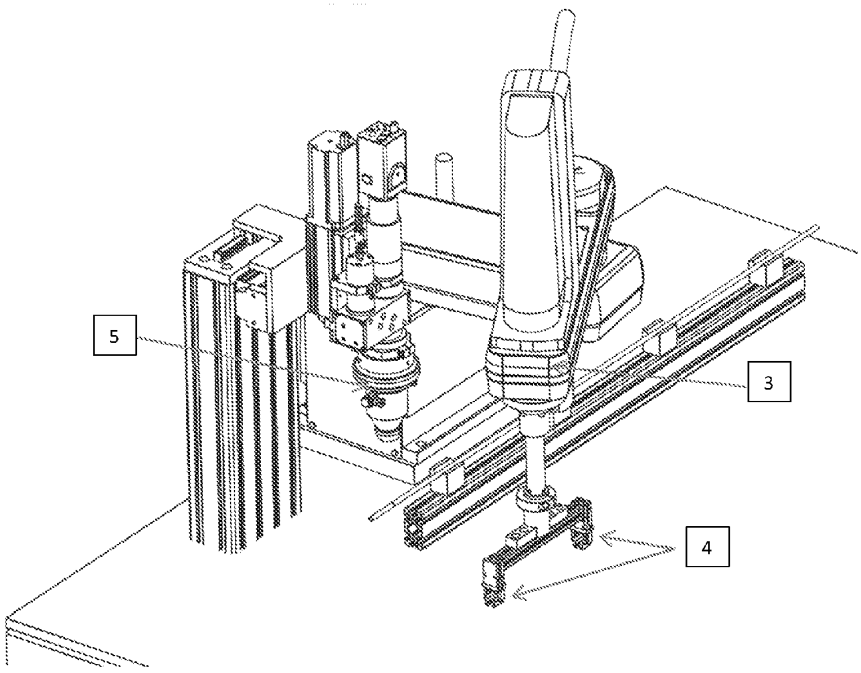


Fig 5 One of the Robot auto loader and tube part laser welder

FIG. 6

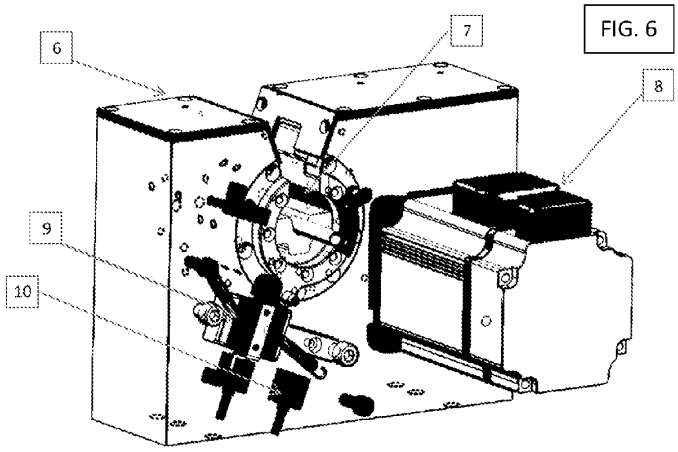


FIG.7

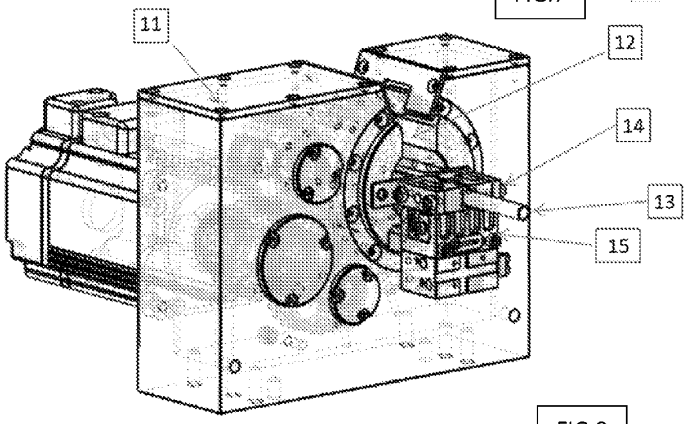


FIG.8

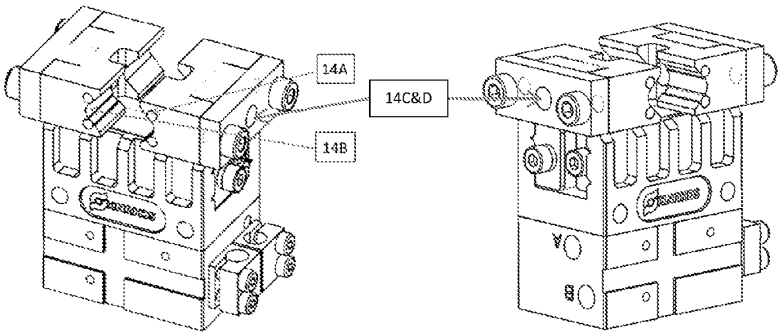


FIG.9

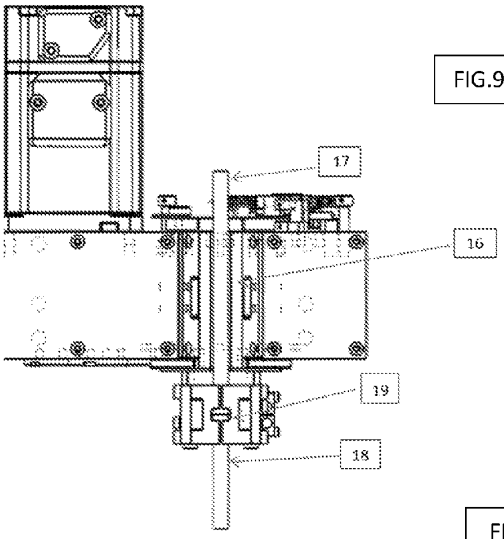


FIG. 10

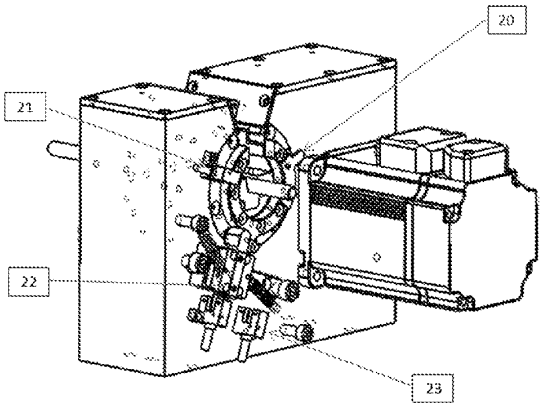


FIG. 11

