

F I G. 1

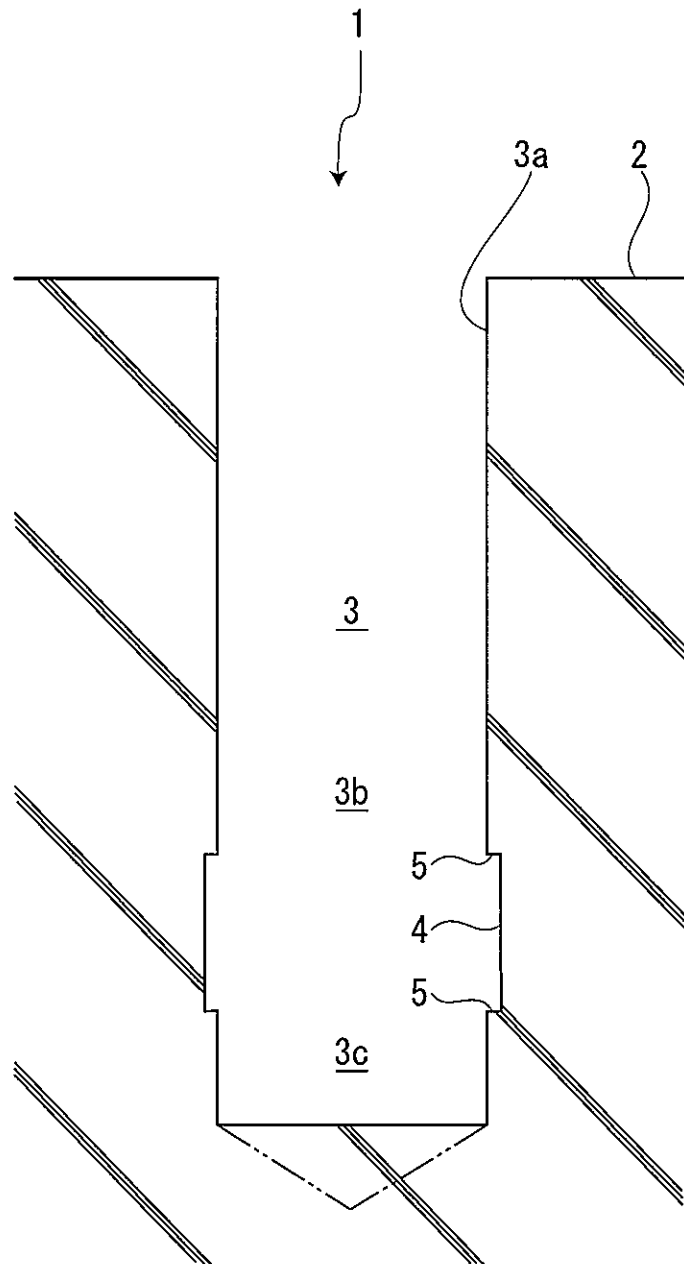


FIG. 2

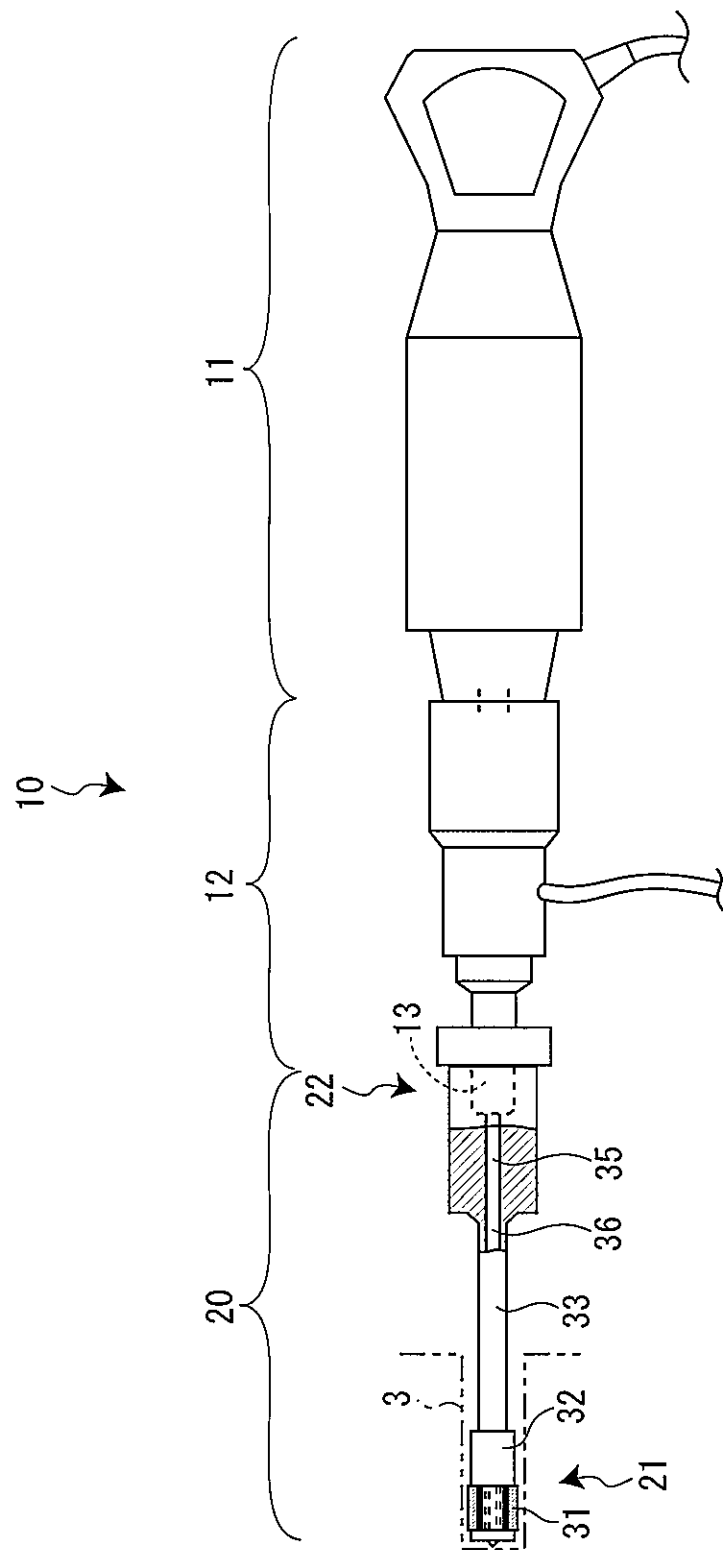
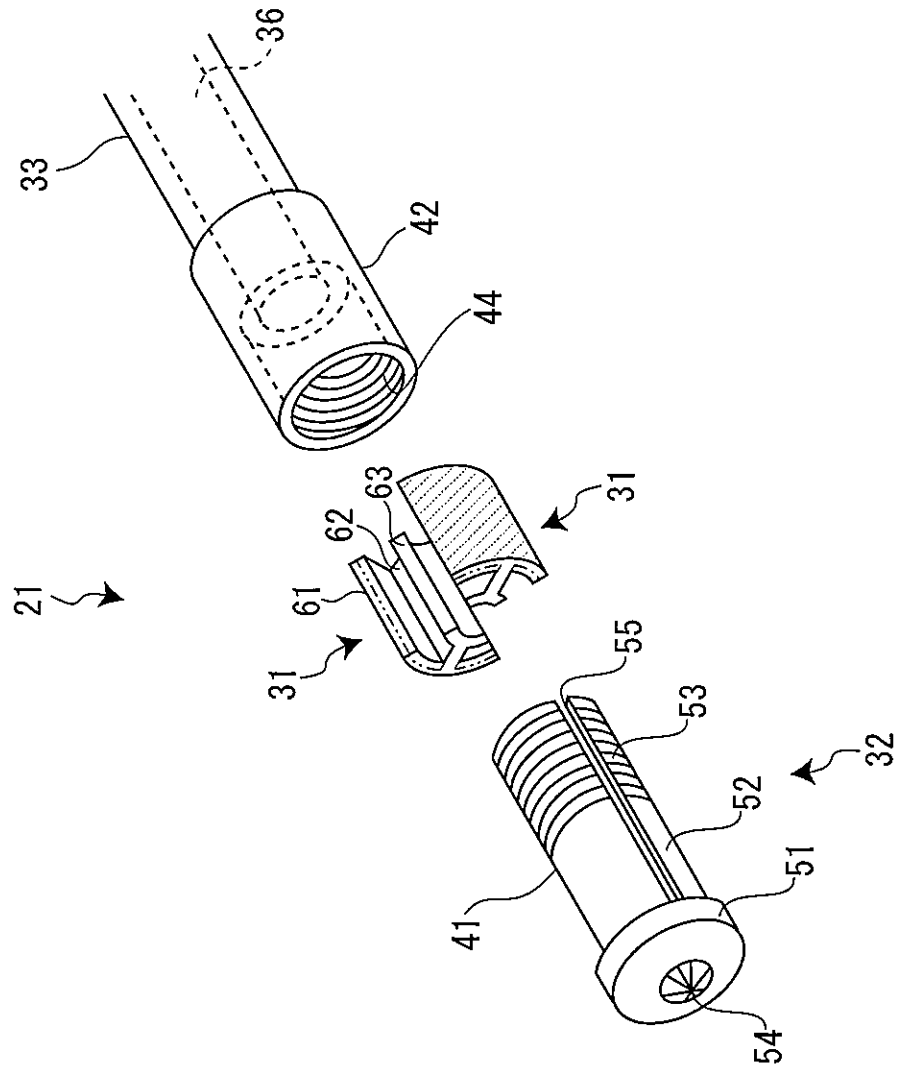


FIG. 3



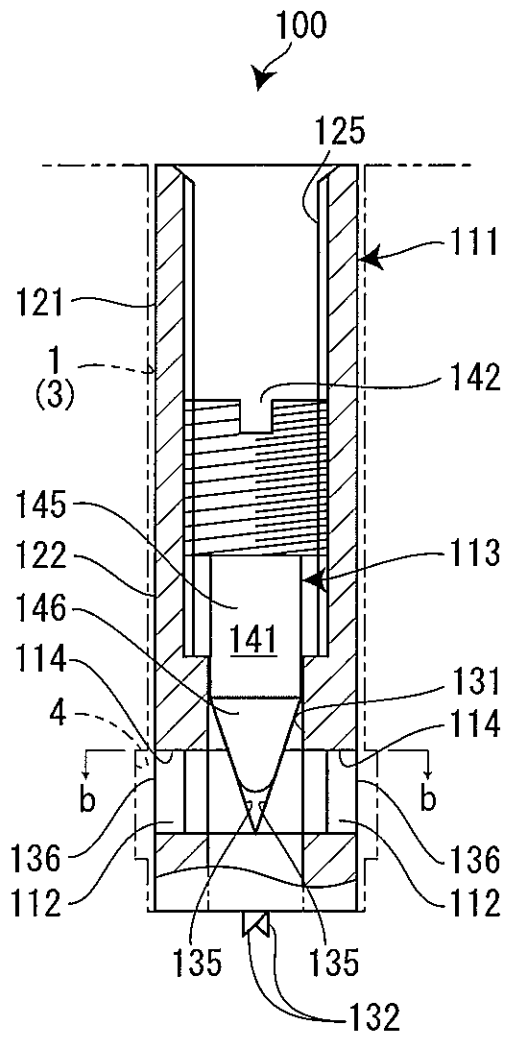


FIG. 4A

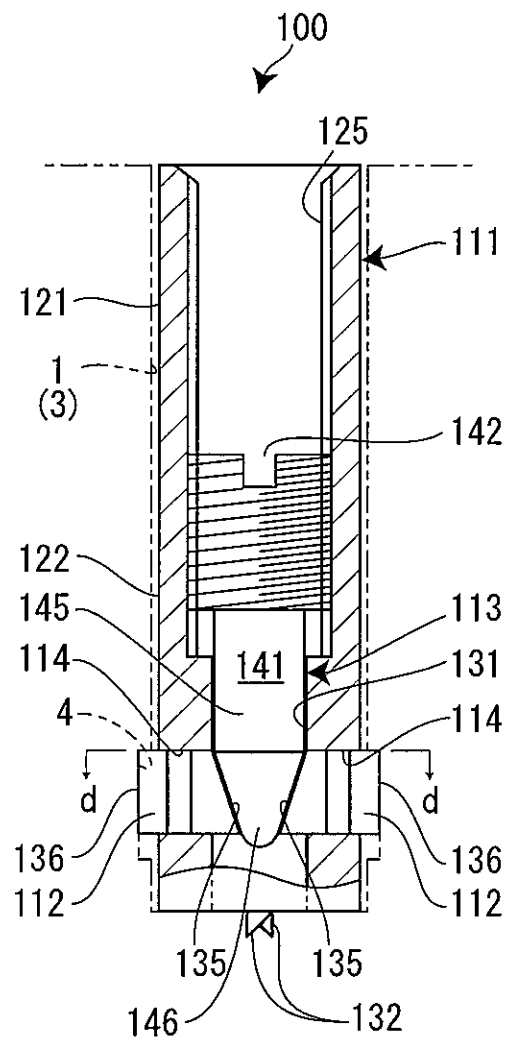


FIG. 4C

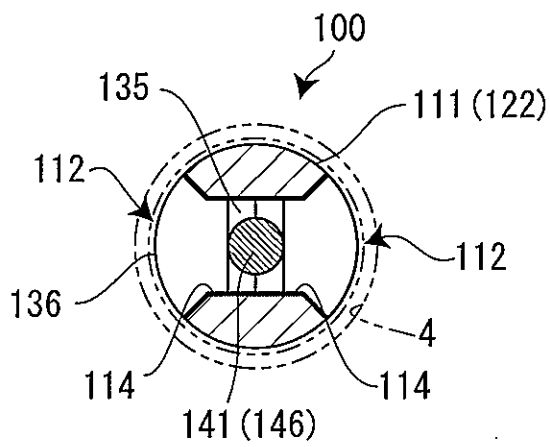


FIG. 4B

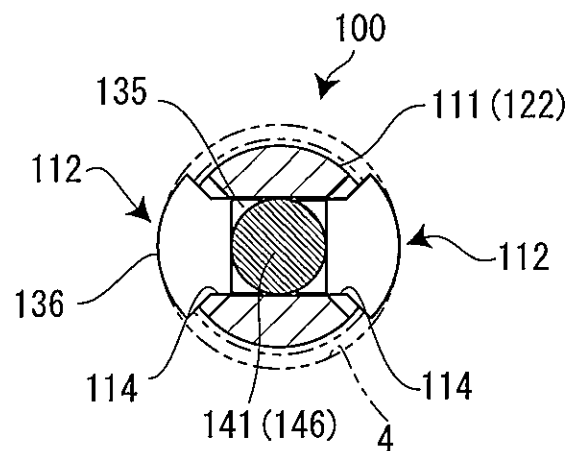
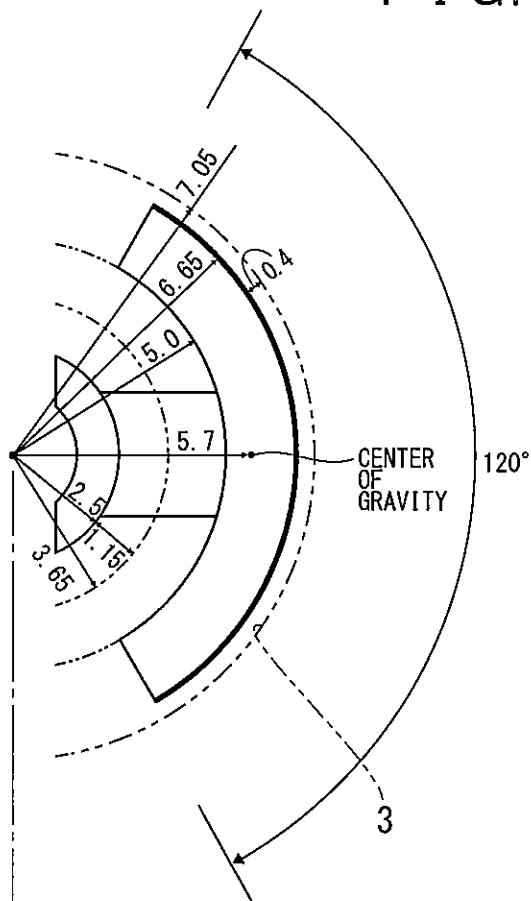


FIG. 4D

F I G. 5
EXAMINATION RESULTS OF EXPANDED DIAMETER SIZES
BASED ON THE NUMBER OF REVOLUTIONS AND GRAIN SIZES

THE NUMBER OF REVOLUTIONS OF MOTOR GRAIN SIZES OF DIAMONDS	2000rpm (10sec)	2500rpm (10sec)	3000rpm (10sec)	3500rpm (10sec)	4000rpm (10sec)
#100/120 0.185 ϕ	0.02mm	0.02mm	0.17mm	0.20mm	0.57mm
#80/100 0.225 ϕ	0.05mm	0.15mm	0.23mm	0.30mm	0.60mm
#60/80 0.28 ϕ	0.07mm	0.15mm	0.35mm	0.40mm	0.77mm
#50/60 0.4 ϕ	0.07mm	0.22mm	0.63mm	0.70mm	0.90mm
#40/50 0.6 ϕ	0.07mm	0.23mm	0.80mm	0.97mm	1.57mm
#30/40 0.75 ϕ	0.20mm	0.23mm	0.97mm	1.00mm	1.67mm
#20/30 0.85 ϕ	0.20mm	0.70mm	1.00mm	1.10mm	1.70mm (MAXIMUM)
#18/20 1.0 ϕ	0.20mm	0.80mm	1.10mm	1.50mm	1.70mm (MAXIMUM)
#16/18	0.20mm	0.92mm	1.10mm	1.70mm (MAXIMUM)	1.70mm (MAXIMUM)

FIG. 6A



- DIAMETER OF CUTTING-BLADE PORTION : 13.3mm (RADIUS 6.65mm)
- DIAMETER OF PREPARED-HOLE PORTION : 14.1mm (RADIUS 7.05mm)
- CLEARANCE : 0.4mm
- WEIGHT OF CUTTING-BLADE PORTION : 1.91g
- CENTER OF GRAVITY OF CUTTING-BLADE PORTION : 5.7mm

FIG. 6B

