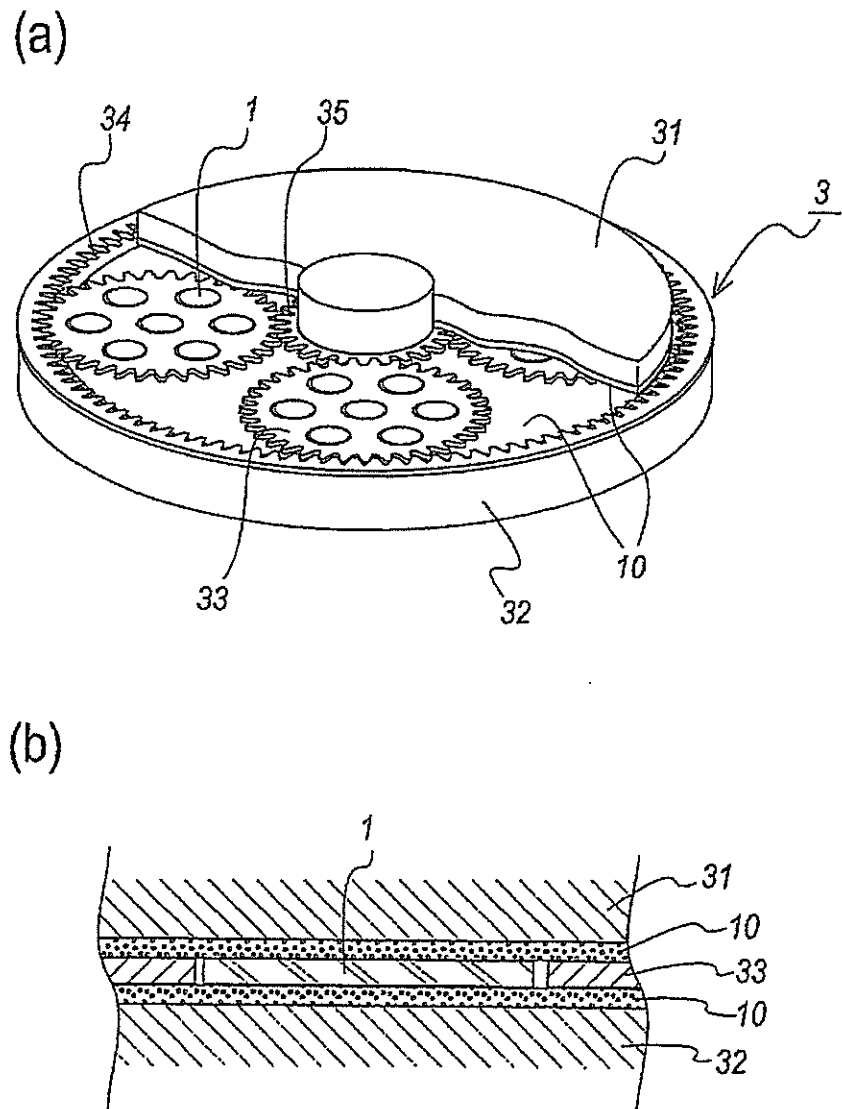




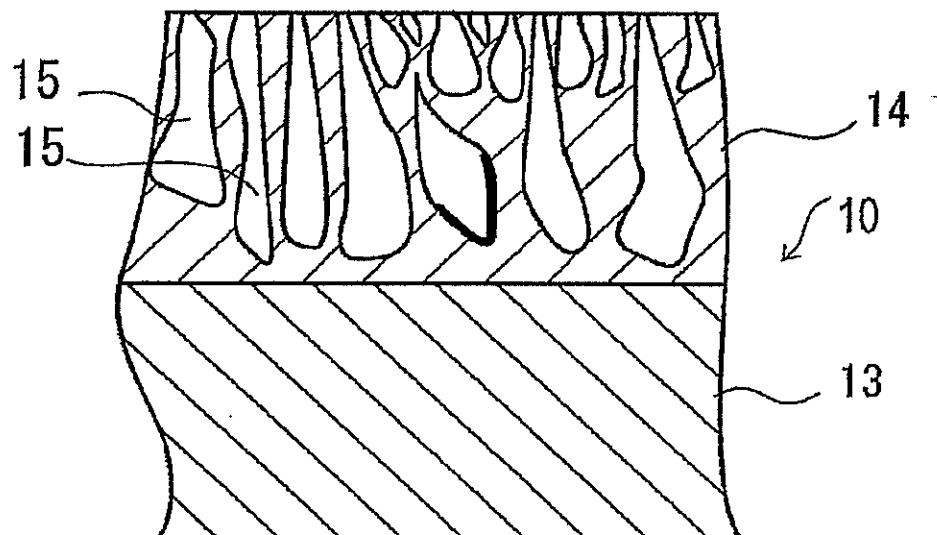


FIG. 2

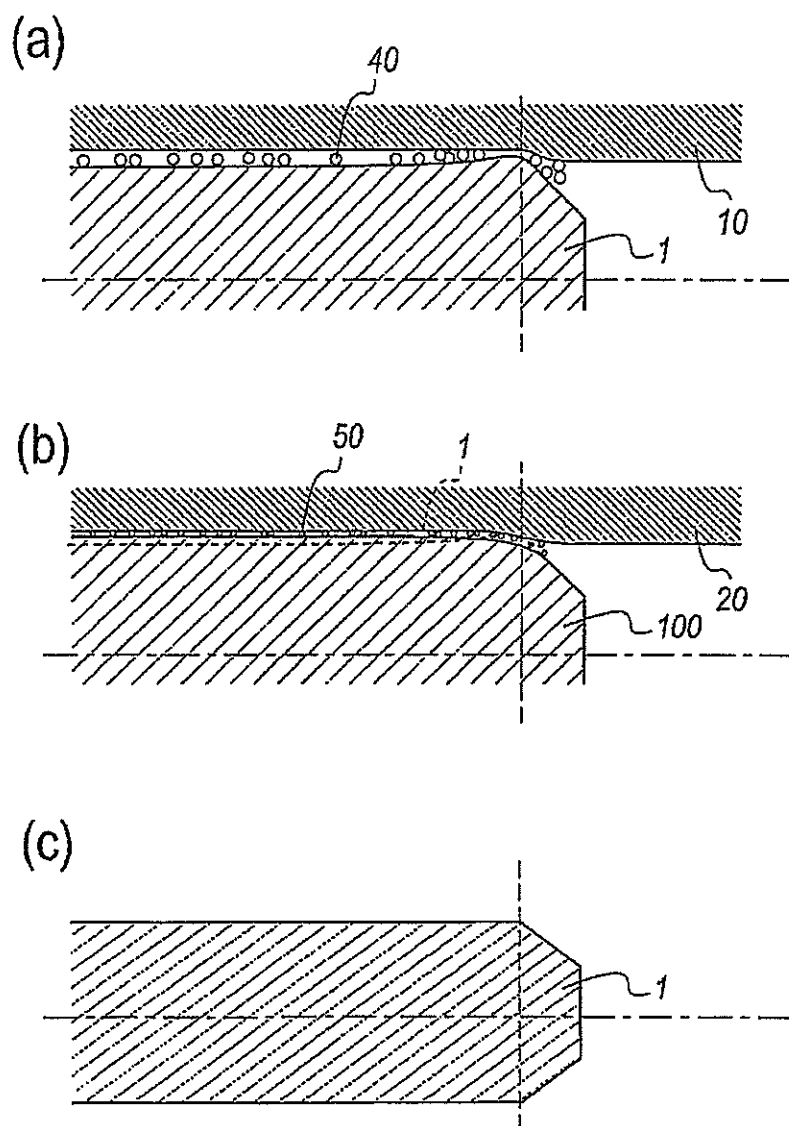


FIG. 3

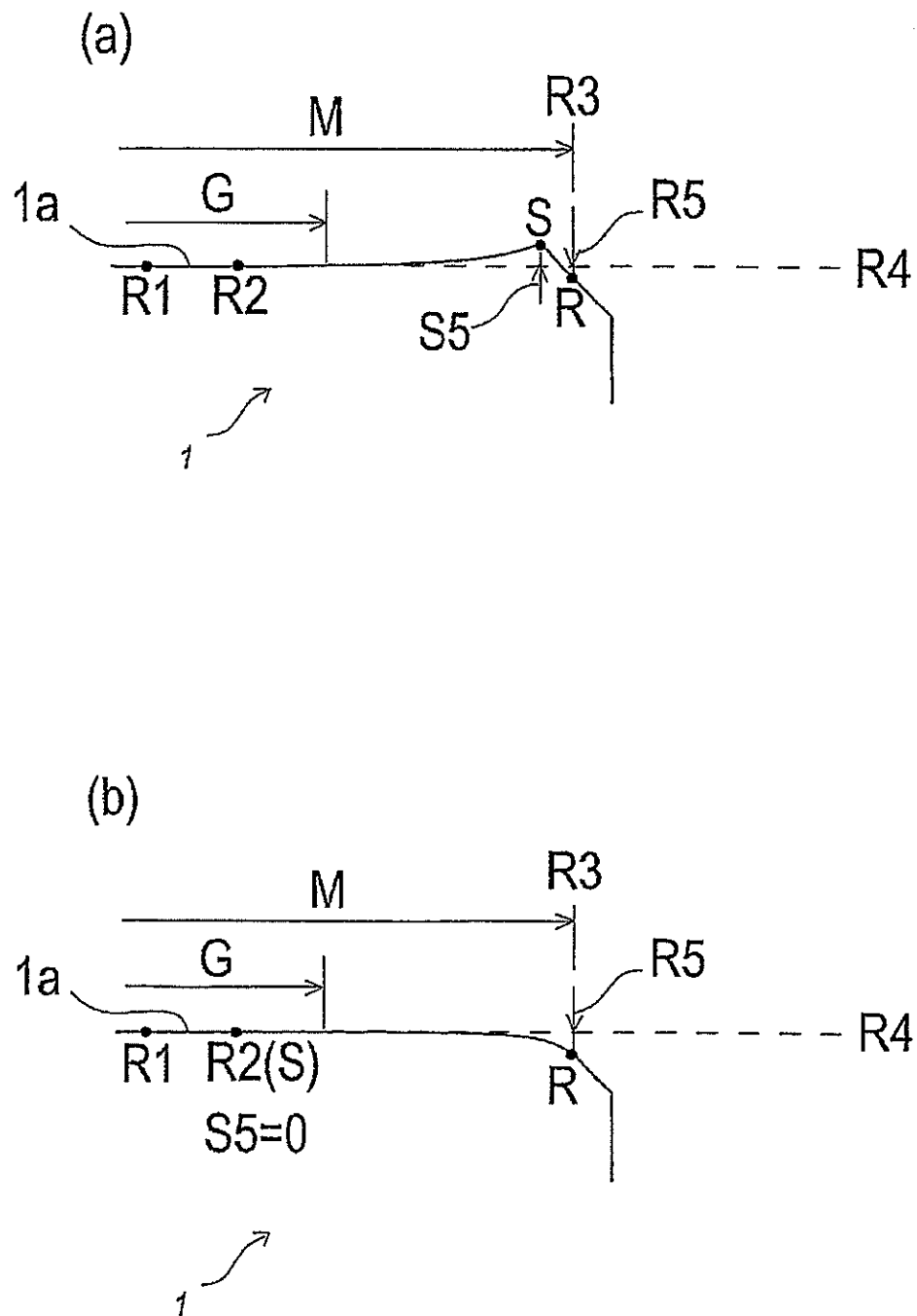


FIG. 4

	(a)	POLYURETHANE SERIES, SOFT	HARDNESS OF POLISHING PAD	GRAIN DIAMETER OF POLISHING MATERIAL	END SHAPE	RESULTS (Roll-Off)
PRIMARY POLISHING	EXAMPLE	POLISHING PAD	80 (C HARDNESS)	1.2 μm	SKI-JUMP	0.104 μm
SECONDARY POLISHING			84 (C HARDNESS)	40 nm	ROLL-OFF	-0.046 μm
	(b)	POLYURETHANE SERIES, SOFT	HARDNESS OF POLISHING PAD	GRAIN DIAMETER OF POLISHING MATERIAL	END SHAPE	RESULTS (Roll-Off)
PRIMARY POLISHING	COMPARATIVE EXAMPLE	POLISHING PAD	93 (C HARDNESS)	1.2 μm	ROLL-OFF	-0.031 μm
SECONDARY POLISHING			84 (C HARDNESS)	50 nm	ROLL-OFF	-0.173 μm
		URETHANE SERIES, HARD	POLYURETHANE SERIES, HARD			

FIG. 5

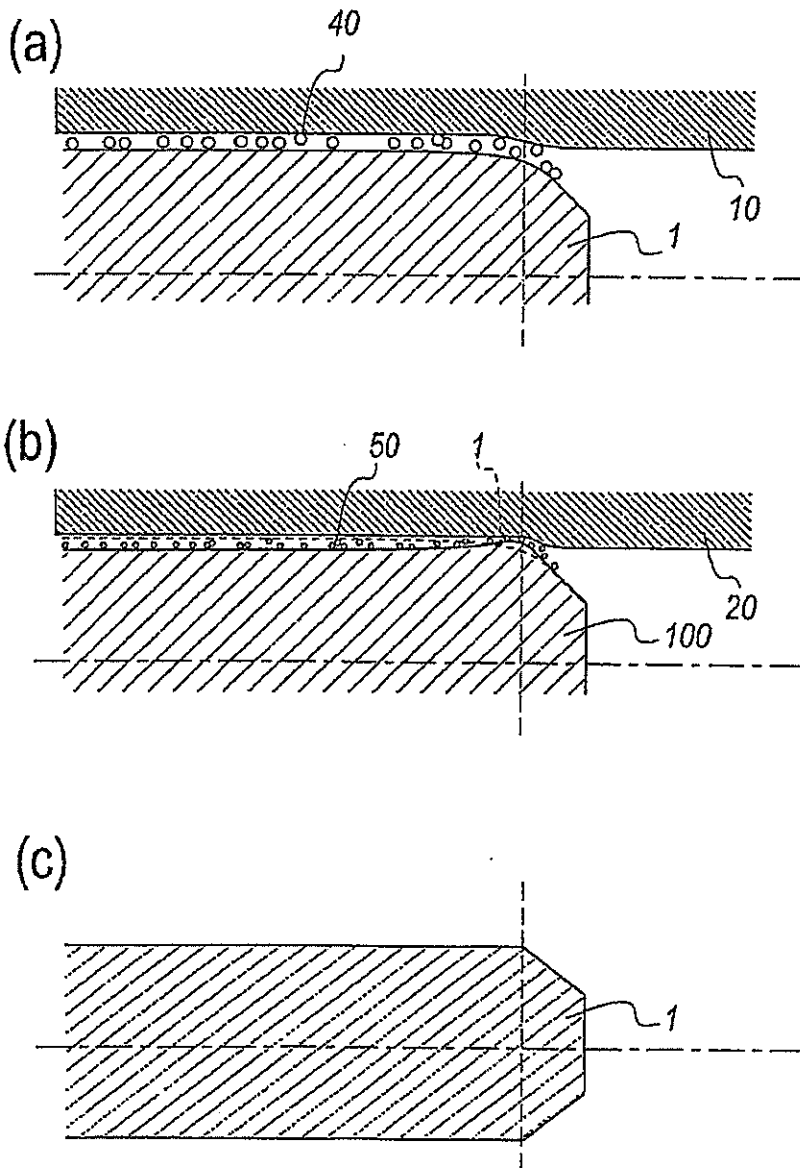


FIG. 6

(a)		URETHANE SERIES, HARD	HARDNESS OF POLISHING PAD	GRAIN DIAMETER OF POLISHING MATERIAL	END SHAPE	RESULTS (Roll-Off)
PRIMARY POLISHING	EXAMPLE	POLISHING PAD				
			90 (C HARDNESS)	1.2 μm	ROLL-OFF	-0.095 μm
SECONDARY POLISHING			72 (C HARDNESS)	0.5 μm	SKI-JUMP	0.034 μm
		POLYURETHANE SERIES, SOFT				
COMPARATIVE EXAMPLE (b)						
		POLISHING PAD			END SHAPE	
PRIMARY POLISHING			93 (C HARDNESS)	1.2 μm	ROLL-OFF	-0.031 μm
SECONDARY POLISHING			84 (C HARDNESS)	50 nm	ROLL-OFF	-0.173 μm
		URETHANE SERIES, HARD	POLYURETHANE SERIES, HARD			

FIG. 7