

Fig. 1

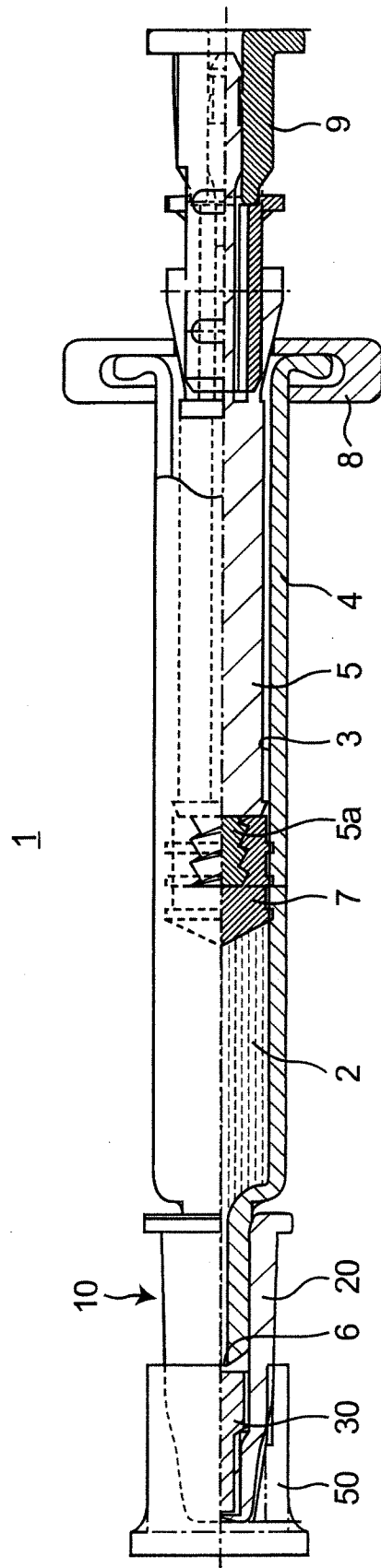


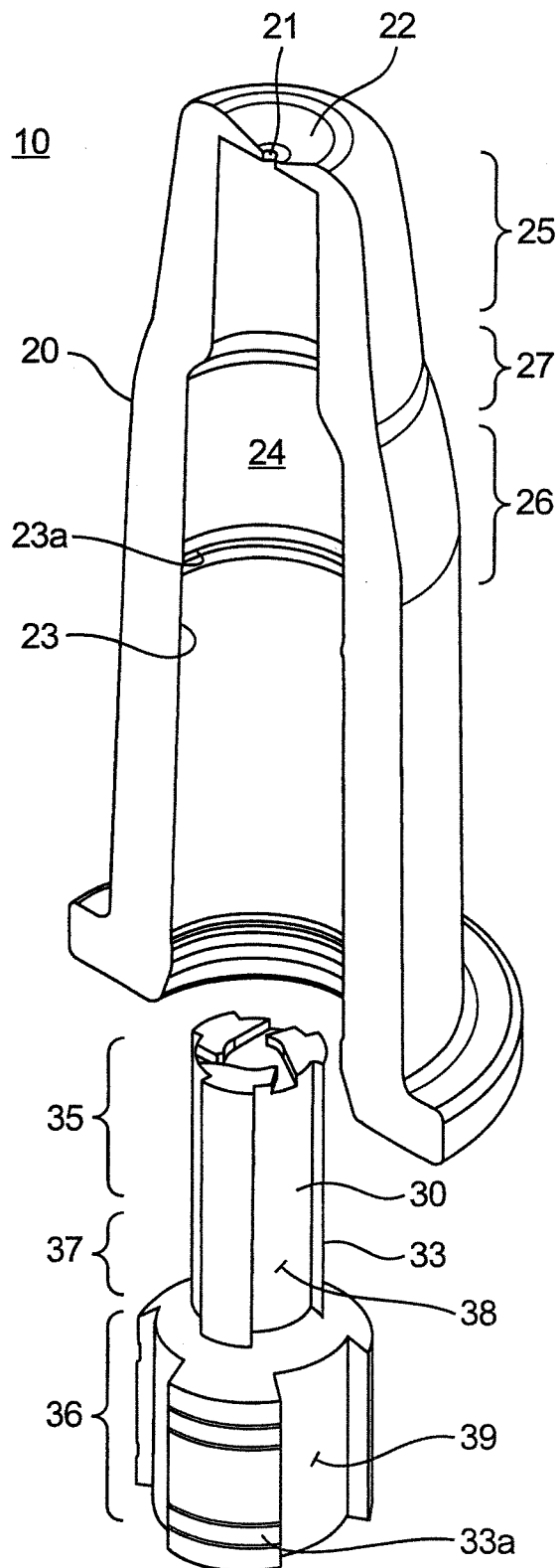
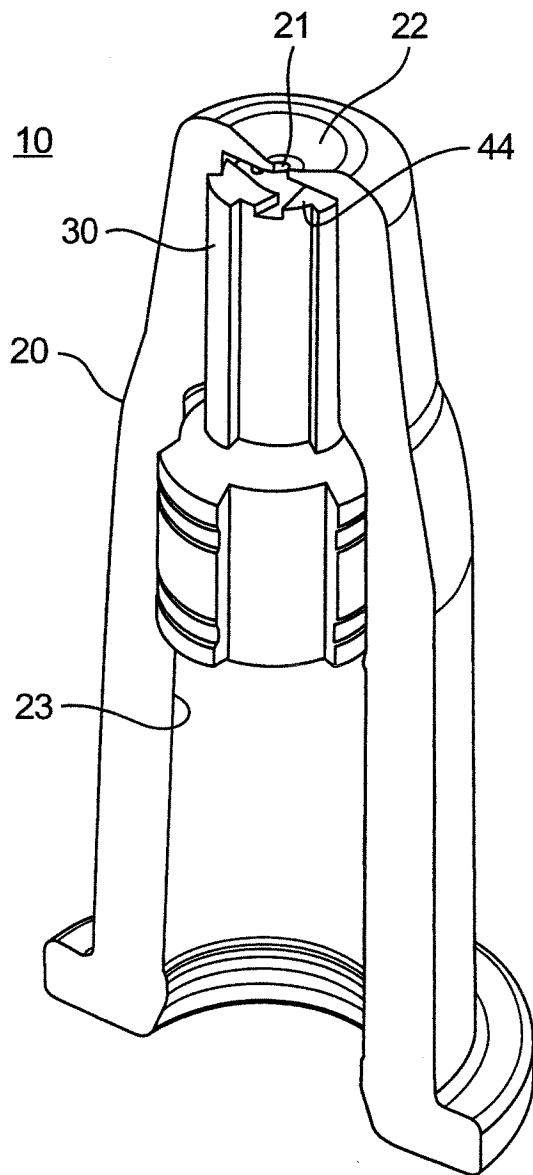
Fig. 2A*Fig. 2B*

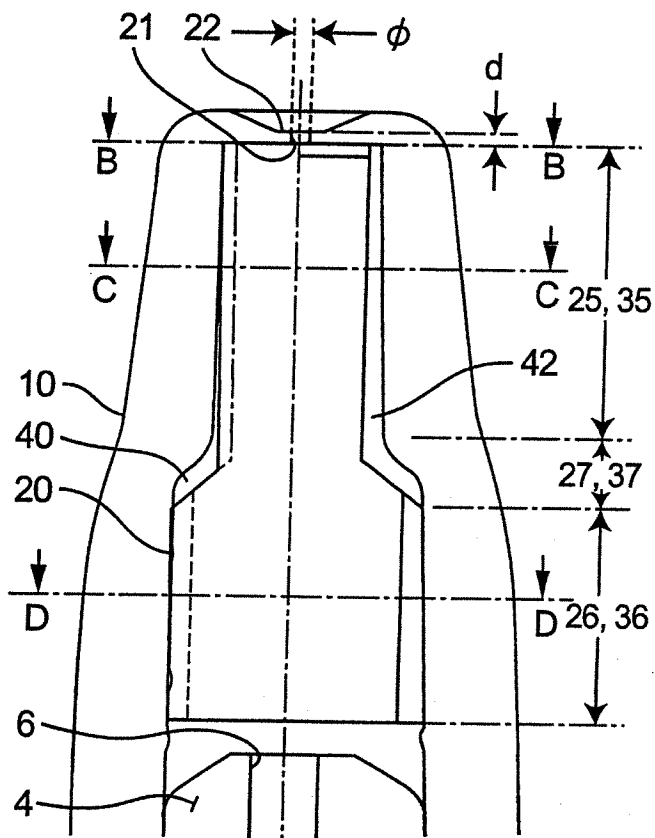
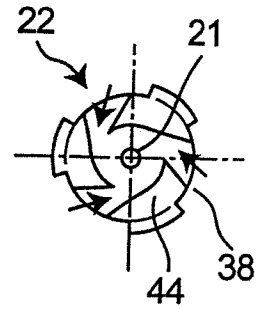
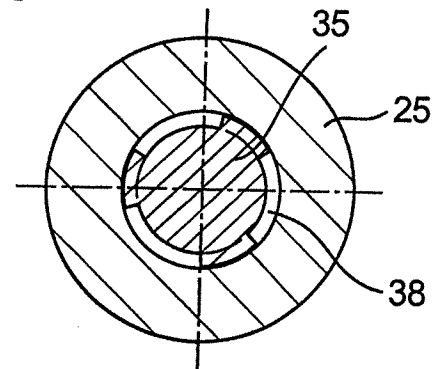
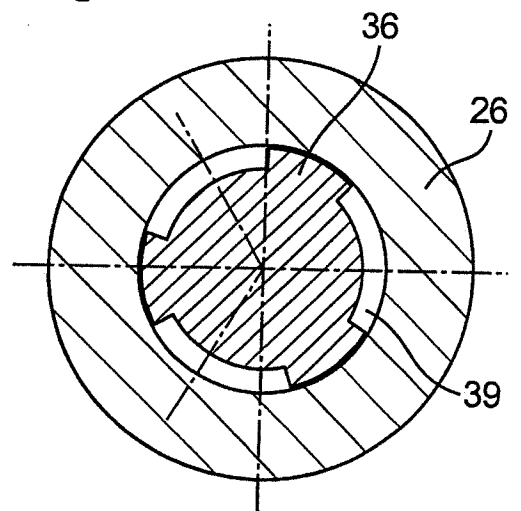
Fig.3A*Fig.3B**Fig.3C**Fig.3D*

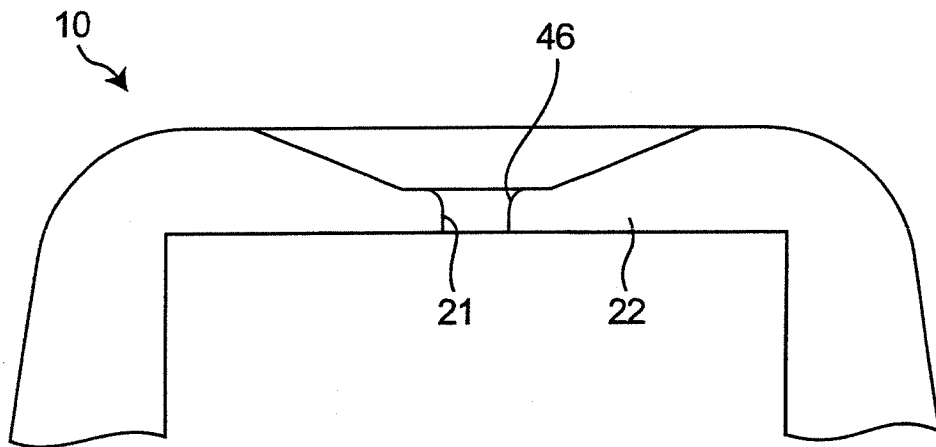
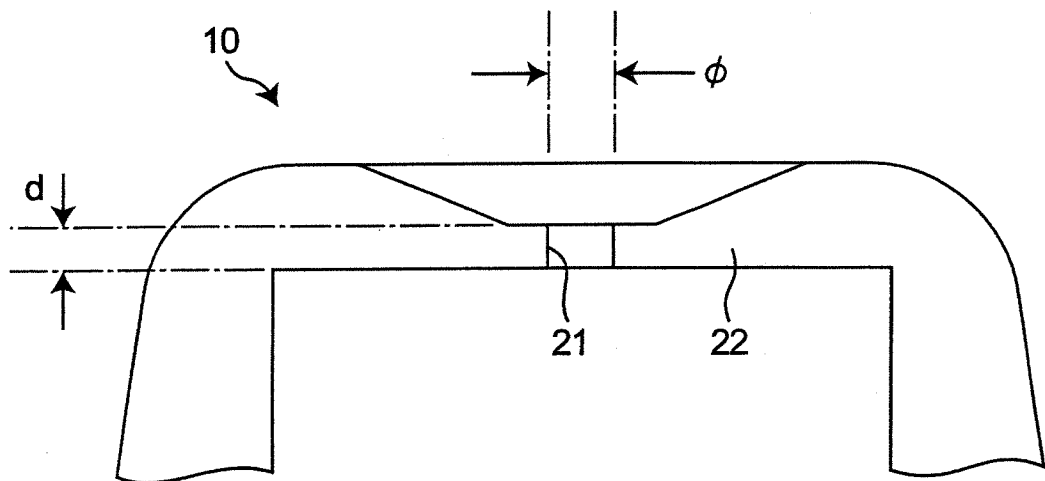
Fig. 4A*Fig. 4B*

Fig. 5

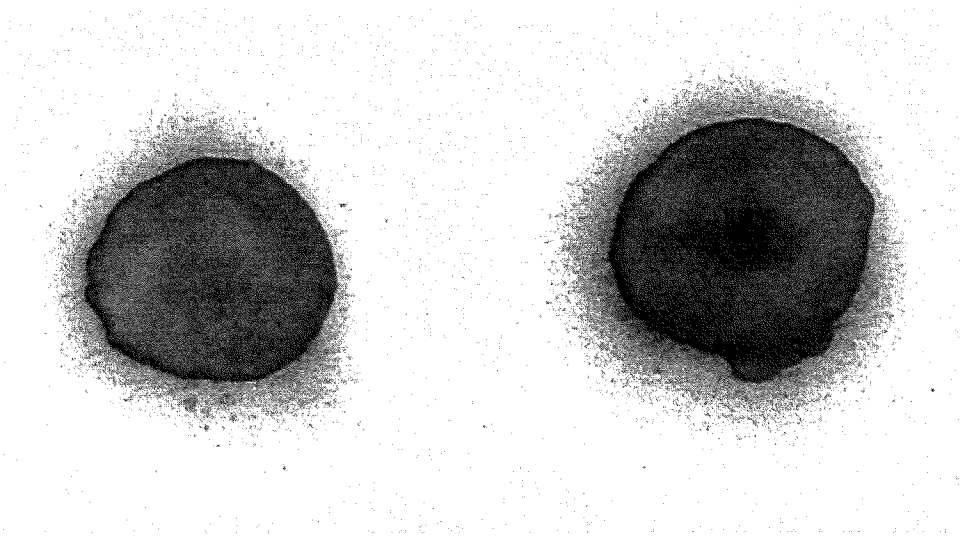


Fig. 6

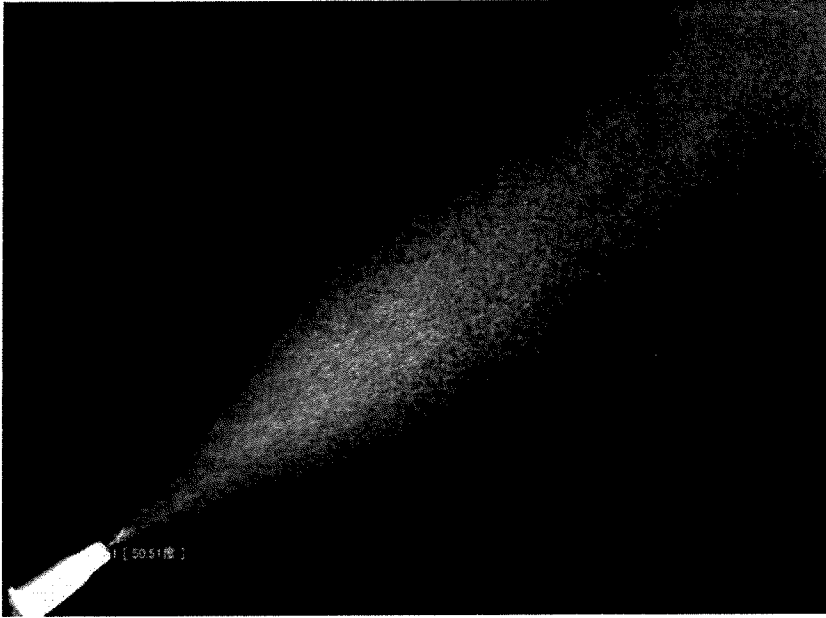


Fig. 7

Standard Values:

Trans = 81.4 (%)
 Cv = 26.24 (PPM)
 SSA = 0.1518 (m²/cc)

Dv(10) = 22.92 (μm)
 Dv(50) = 44.05 (μm)
 Dv(90) = 91.7 (μm)

Span = 1.562
 D[3][2] = 39.52 (μm)
 D[4][3] = 54.76 (μm)

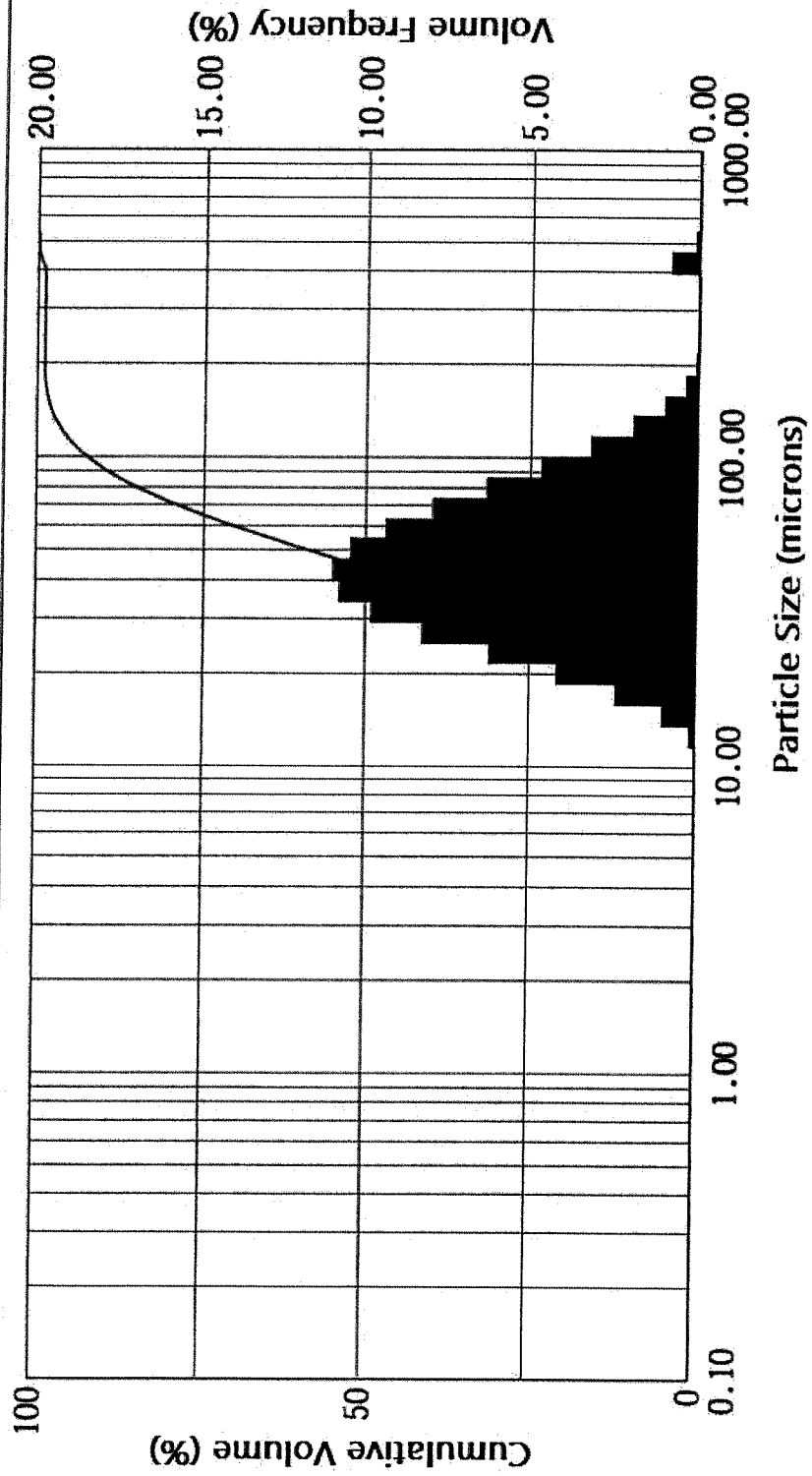


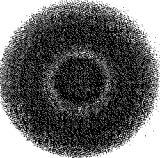
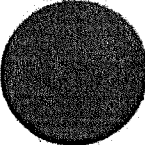
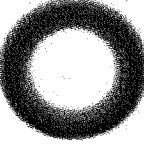
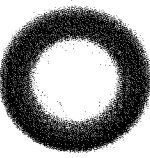
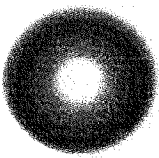
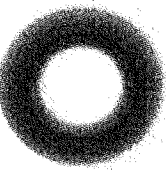
Fig. 8					
Base Material A (PBS)					
OK	OK	NG	NG	OK	OK
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NG	OK	NG	NG	NG	
nozzle g diameter $\varphi=0.30$ mm thickness $d=0.25$ mm YES curved portion	nozzle h diameter $\varphi=0.40$ mm thickness $d=0.25$ mm NO curved portion	nozzle i diameter $\varphi=0.40$ mm thickness $d=0.25$ mm YES curved portion	nozzle j diameter $\varphi=0.45$ mm thickness $d=0.25$ mm NO curved portion	nozzle k diameter $\varphi=0.55$ mm thickness $d=0.25$ mm NO curved portion	
					

Fig. 9

Base Material B1

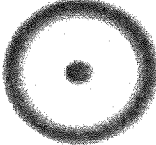
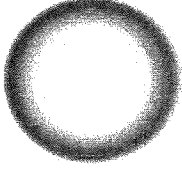
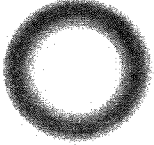
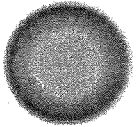
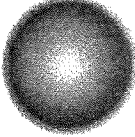
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NG	OK	NG	NG	NG	
nozzle g diameter $\phi=0.30$ mm thickness $d=0.25$ mm YES curved portion	nozzle h diameter $\phi=0.40$ mm thickness $d=0.25$ mm NO curved portion	nozzle i diameter $\phi=0.40$ mm thickness $d=0.25$ mm YES curved portion	nozzle j diameter $\phi=0.45$ mm thickness $d=0.25$ mm NO curved portion	nozzle k diameter $\phi=0.55$ mm thickness $d=0.25$ mm NO curved portion	
					

Fig. 10

Base Material C1

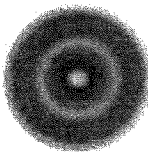
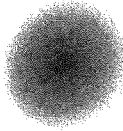
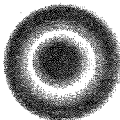
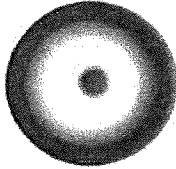
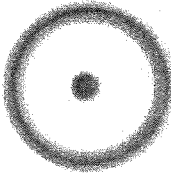
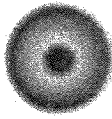
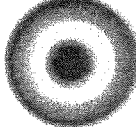
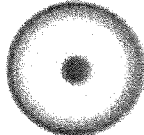
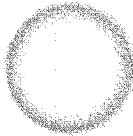
NG	NG	NG	NG	NG	NG
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NG	NG	NG	NG	NG	
nozzle g diameter $\phi=0.30$ mm thickness $d=0.25$ mm YES curved portion	nozzle h diameter $\phi=0.40$ mm thickness $d=0.25$ mm NO curved portion	nozzle i diameter $\phi=0.40$ mm thickness $d=0.25$ mm YES curved portion	nozzle j diameter $\phi=0.45$ mm thickness $d=0.25$ mm NO curved portion	nozzle k diameter $\phi=0.55$ mm thickness $d=0.25$ mm NO curved portion	
					

Fig. 11

Base Material C2

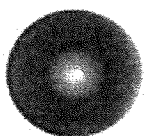
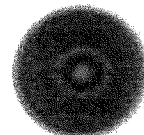
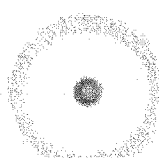
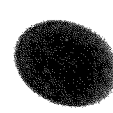
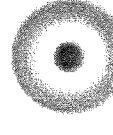
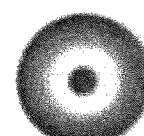
NG	NG	NG	OK	OK	NG
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NG	NG	NG	NG	NG	
nozzle g diameter $\varphi=0.30$ mm thickness $d=0.25$ mm YES curved portion	nozzle h diameter $\varphi=0.40$ mm thickness $d=0.25$ mm NO curved portion	nozzle i diameter $\varphi=0.40$ mm thickness $d=0.25$ mm YES curved portion	nozzle j diameter $\varphi=0.45$ mm thickness $d=0.25$ mm NO curved portion	nozzle k diameter $\varphi=0.55$ mm thickness $d=0.25$ mm NO curved portion	
					

Fig. 12

Base Material D

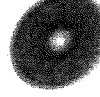
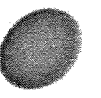
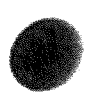
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NG nozzle g diameter $\phi=0.30$ mm thickness $d=0.25$ mm YES curved portion	NG nozzle h diameter $\phi=0.40$ mm thickness $d=0.25$ mm NO curved portion	NG nozzle i diameter $\phi=0.40$ mm thickness $d=0.25$ mm YES curved portion	NG nozzle j diameter $\phi=0.45$ mm thickness $d=0.25$ mm NO curved portion	NG nozzle k diameter $\phi=0.55$ mm thickness $d=0.25$ mm NO curved portion	
					

Fig. 13

Base Material E1

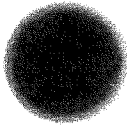
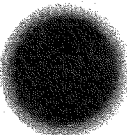
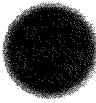
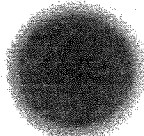
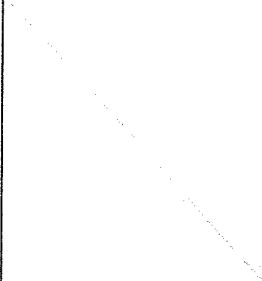
OK	NG	OK	OK	OK	OK
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NG	OK	OK	OK	OK	
nozzle g diameter $\varphi=0.30$ mm thickness $d=0.25$ mm YES curved portion	nozzle h diameter $\varphi=0.40$ mm thickness $d=0.25$ mm NO curved portion	nozzle i diameter $\varphi=0.40$ mm thickness $d=0.25$ mm YES curved portion	nozzle j diameter $\varphi=0.45$ mm thickness $d=0.25$ mm NO curved portion	nozzle k diameter $\varphi=0.55$ mm thickness $d=0.25$ mm NO curved portion	
					

Fig. 14

Base Material E2

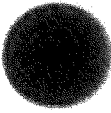
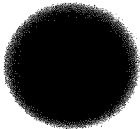
OK	OK	OK	OK	OK	NG
nozzle a diameter $\phi=0.25$ mm thickness $d=0.15$ mm NO curved portion	nozzle b diameter $\phi=0.25$ mm thickness $d=0.25$ mm NO curved portion	nozzle c diameter $\phi=0.26$ mm thickness $d=0.25$ mm YES curved portion	nozzle d diameter $\phi=0.30$ mm thickness $d=0.13$ mm NO curved portion	nozzle e diameter $\phi=0.30$ mm thickness $d=0.20$ mm NO curved portion	nozzle f diameter $\phi=0.30$ mm thickness $d=0.30$ mm NO curved portion
					
NG	OK	OK	OK	OK	
nozzle g diameter $\phi=0.30$ mm thickness $d=0.25$ mm YES curved portion	nozzle h diameter $\phi=0.40$ mm thickness $d=0.25$ mm NO curved portion	nozzle i diameter $\phi=0.40$ mm thickness $d=0.25$ mm YES curved portion	nozzle j diameter $\phi=0.45$ mm thickness $d=0.25$ mm NO curved portion	nozzle k diameter $\phi=0.55$ mm thickness $d=0.25$ mm NO curved portion	
					

Fig. 15				
Base Material E4				
OK	OK	NG	OK	OK
nozzle a diameter $\varphi=0.25$ mm thickness $d=0.15$ mm NO curved portion	nozzle b diameter $\varphi=0.25$ mm thickness $d=0.25$ mm NO curved portion	nozzle c diameter $\varphi=0.26$ mm thickness $d=0.25$ mm YES curved portion	nozzle d diameter $\varphi=0.30$ mm thickness $d=0.13$ mm NO curved portion	nozzle e diameter $\varphi=0.30$ mm thickness $d=0.20$ mm NO curved portion
				
NG	OK	OK	OK	NG
nozzle g diameter $\varphi=0.30$ mm thickness $d=0.25$ mm YES curved portion	nozzle h diameter $\varphi=0.40$ mm thickness $d=0.25$ mm NO curved portion	nozzle i diameter $\varphi=0.40$ mm thickness $d=0.25$ mm YES curved portion	nozzle j diameter $\varphi=0.45$ mm thickness $d=0.25$ mm NO curved portion	nozzle k diameter $\varphi=0.55$ mm thickness $d=0.25$ mm NO curved portion
				