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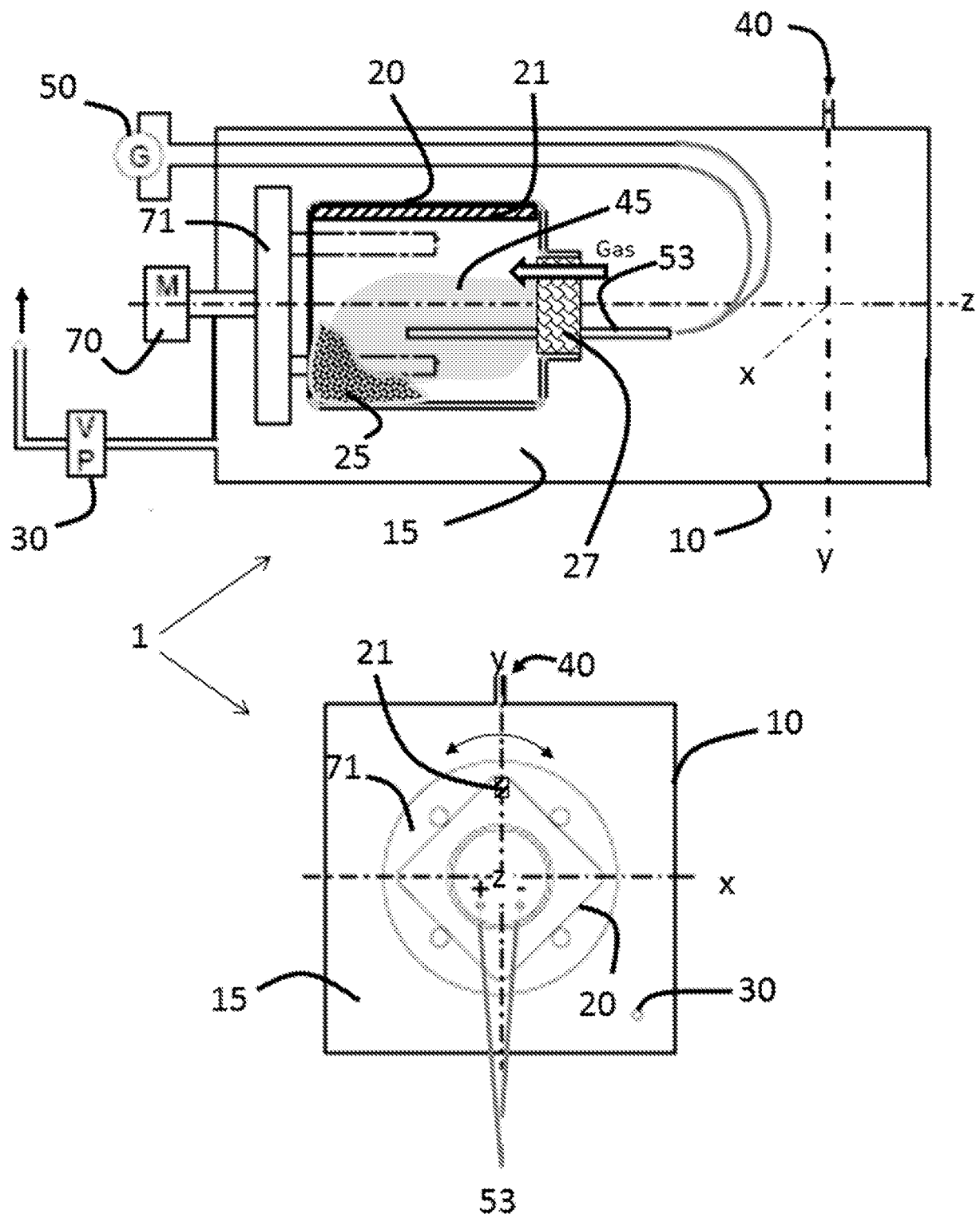


Figure 1A

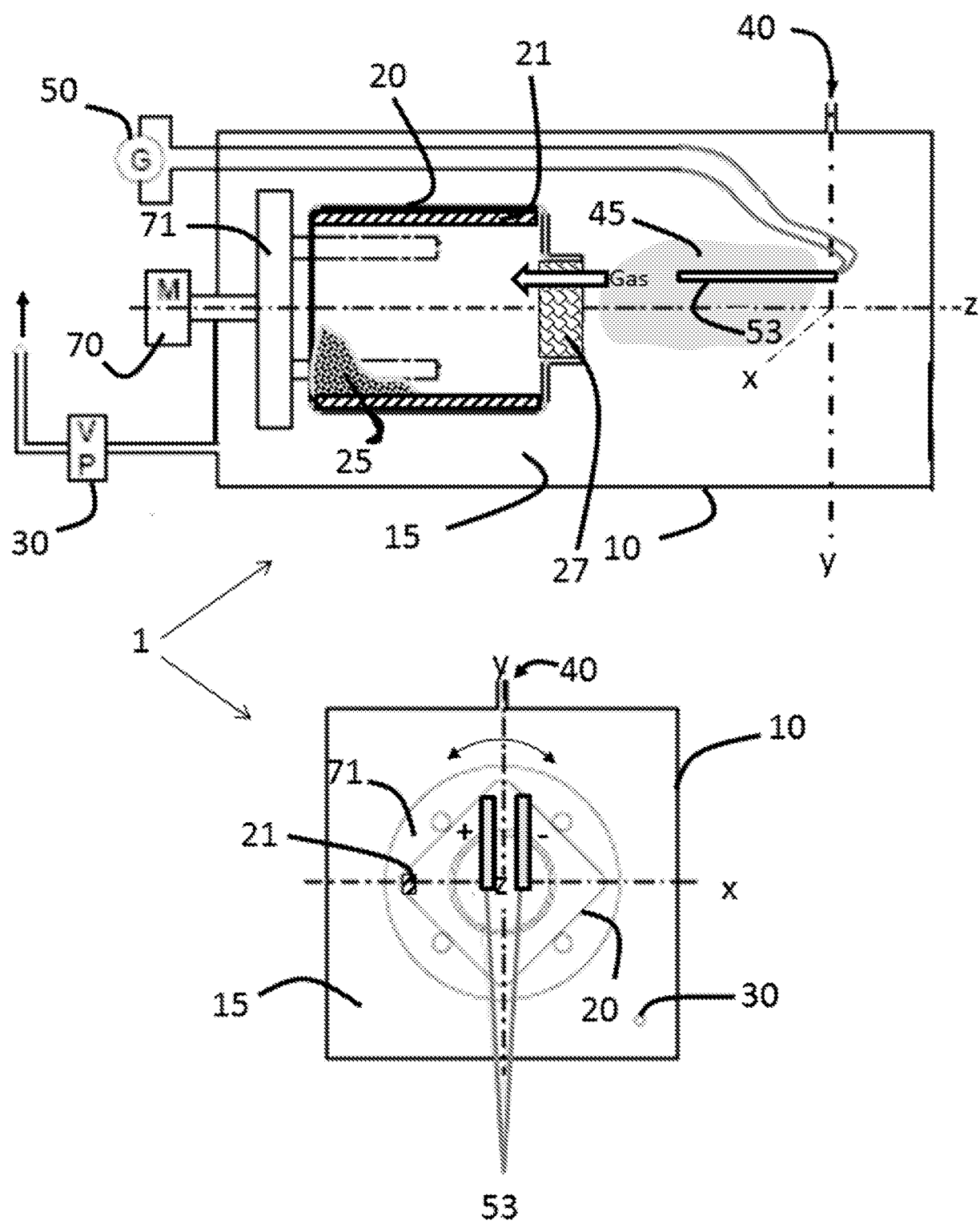


Figure 1B

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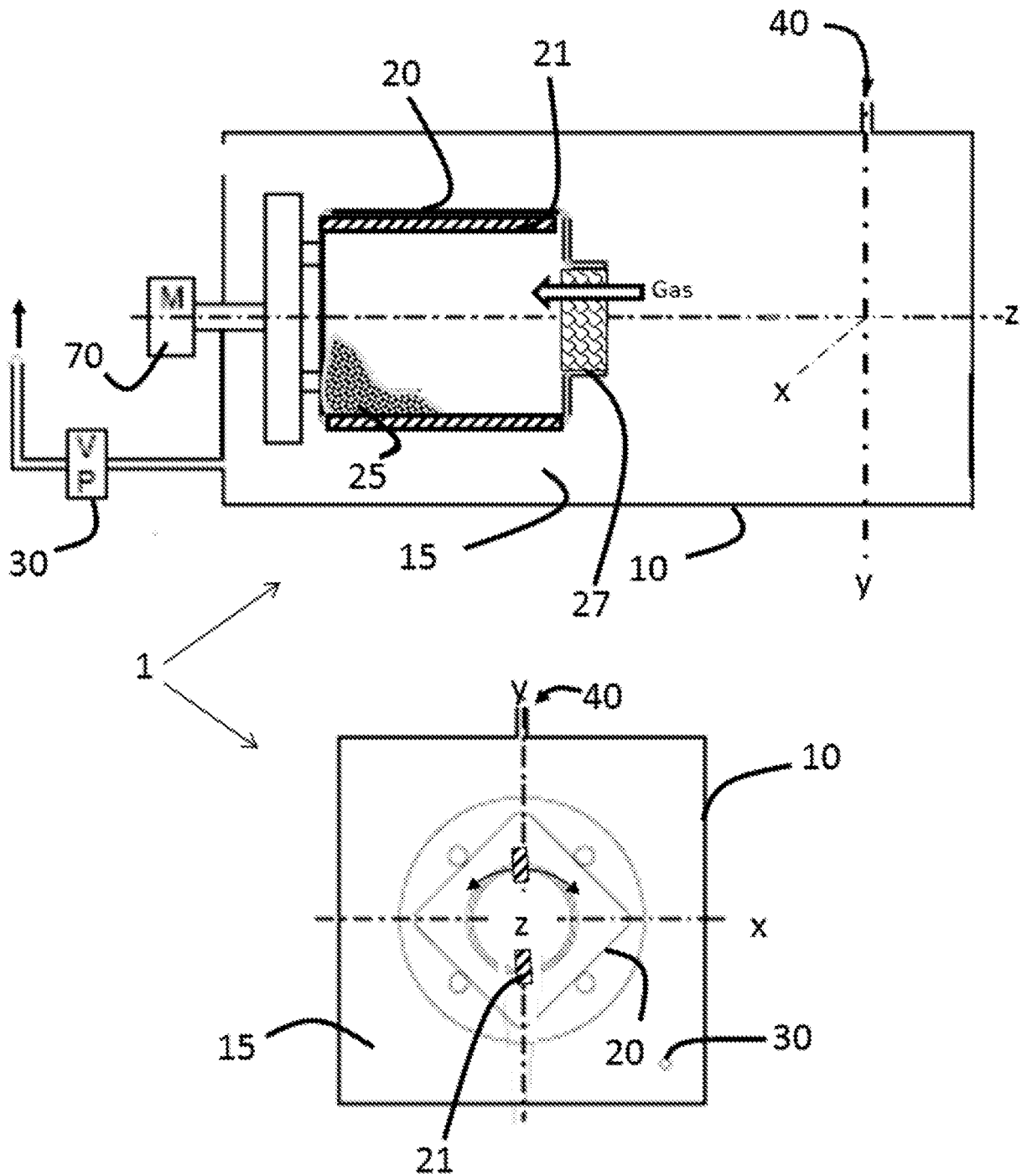


Figure 1C

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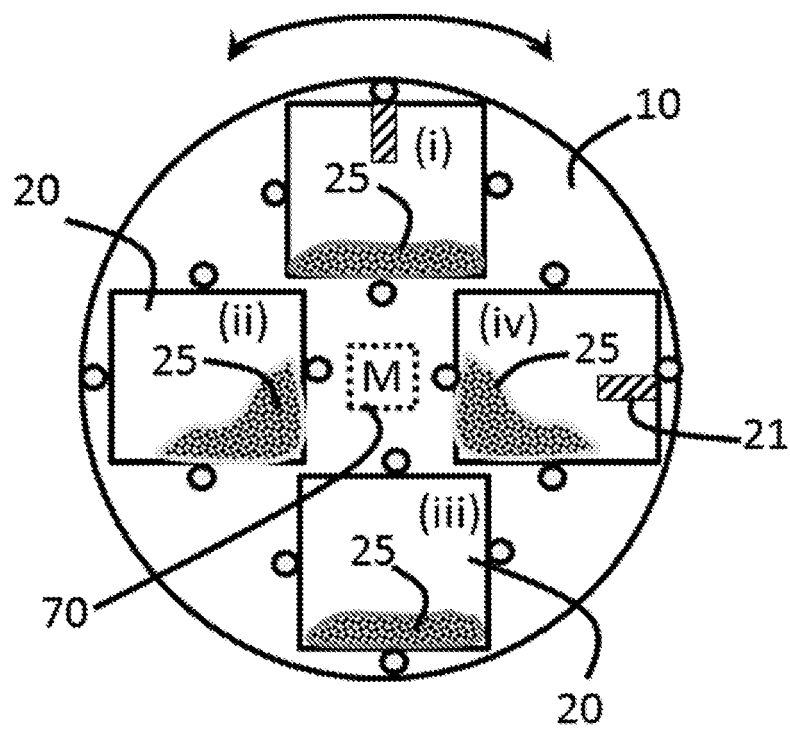


Figure 2

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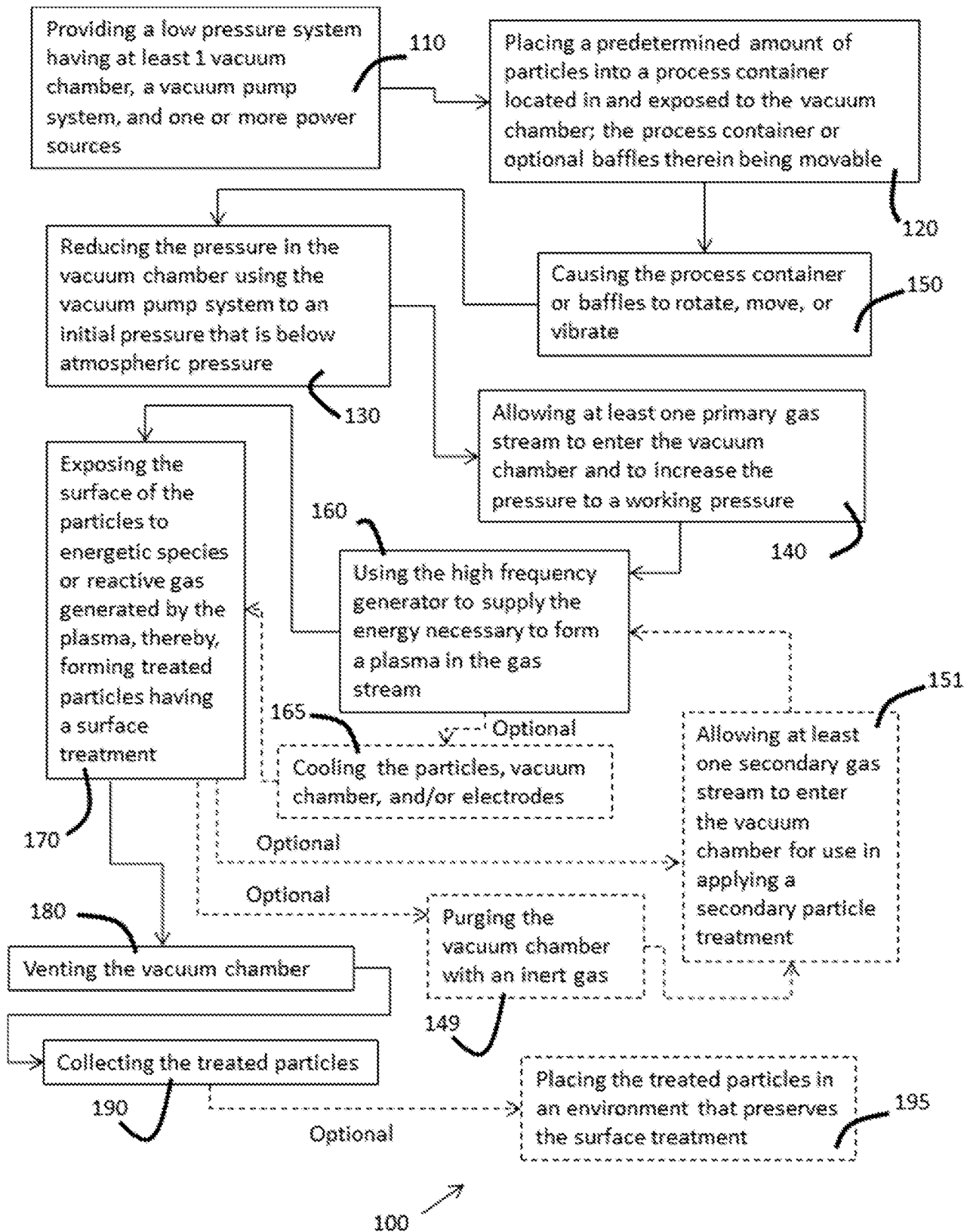


Figure 3A

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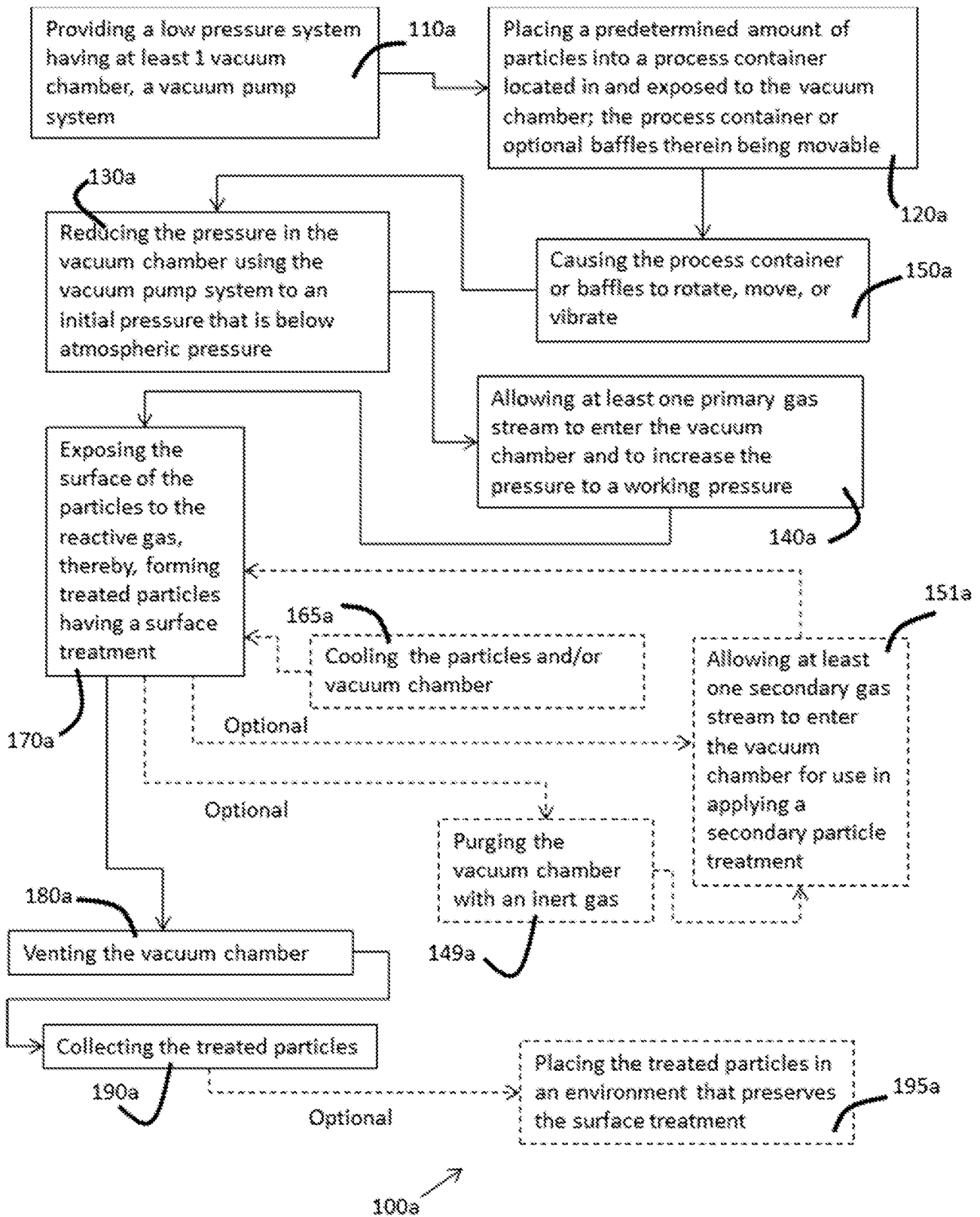


Figure 3B

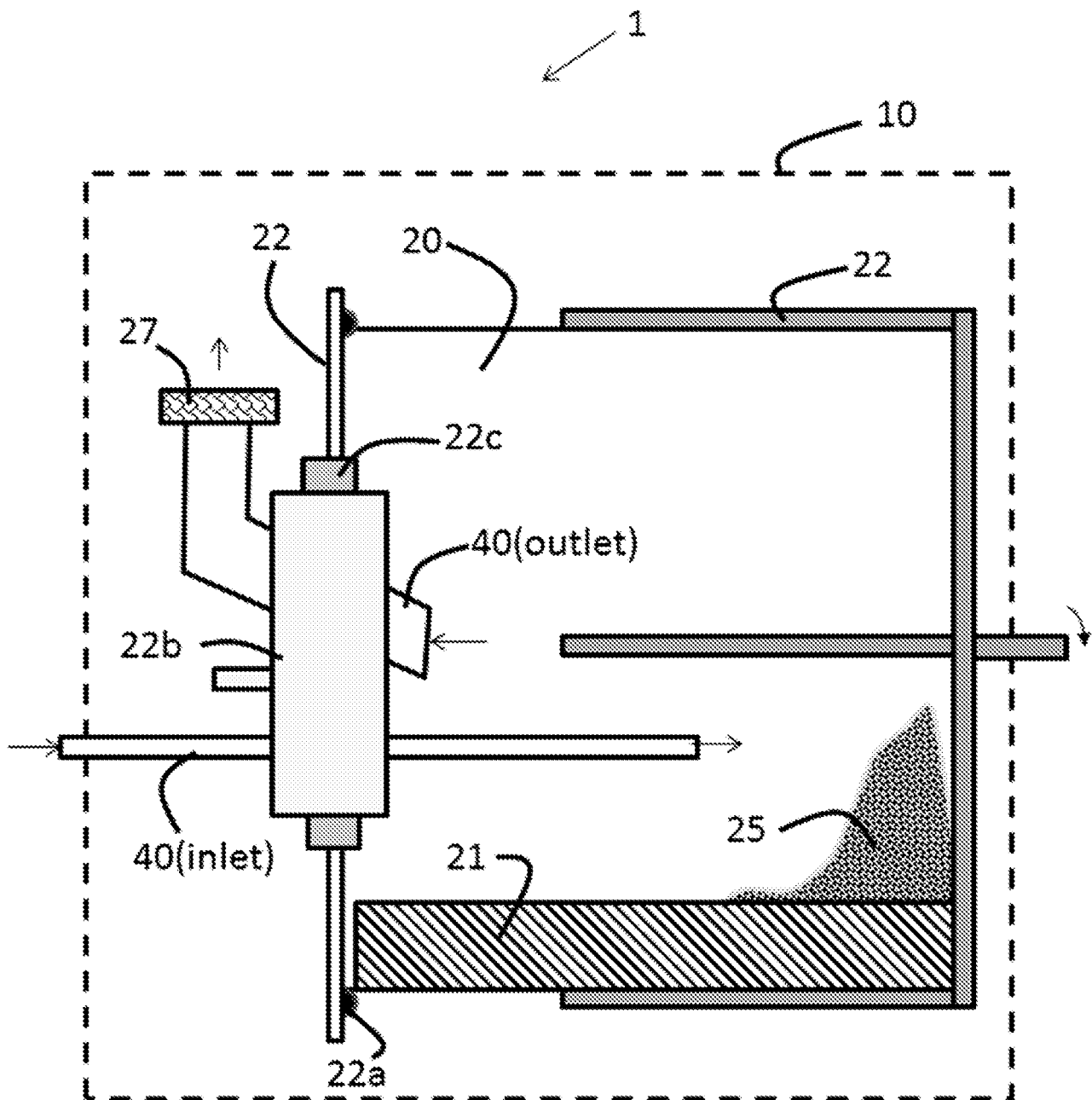


Figure 4

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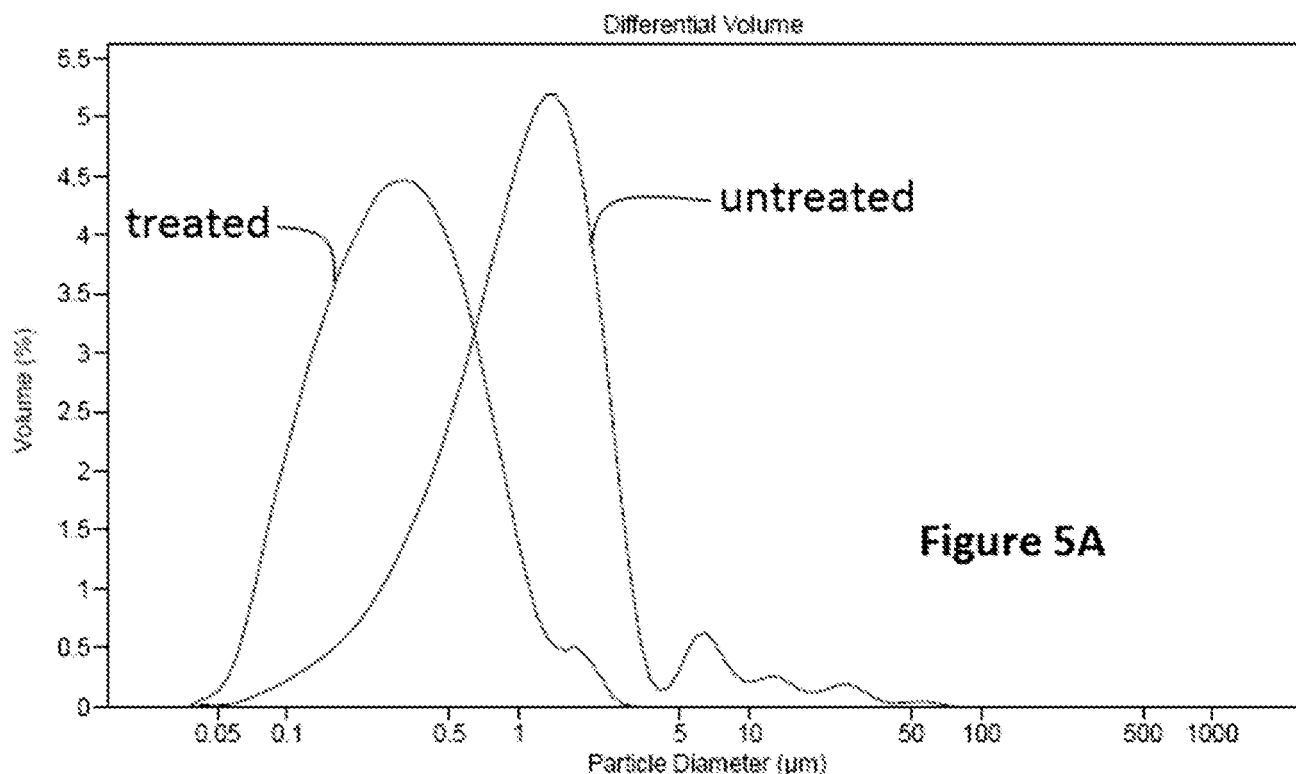


Figure 5A

Volume Statistics – Treated Particles in MIAK

Calculations from 0.017 μm to 2000 μm				
Volume:	100%	S.D.:	0.349 μm	
Mean:	0.403 μm	Variance:	0.122 μm ²	
Median:	0.300 μm	C.V.:	86.5%	
Mean/Median ratio:	1.346	Skewness:	2.376 Right skewed	
Mode:	0.326 μm	Kurtosis:	7.718 Leptokurtic	
<10%	<25%	<50%	<75%	<90%
0.110 μm	0.171 μm	0.300 μm	0.516 μm	0.805 μm

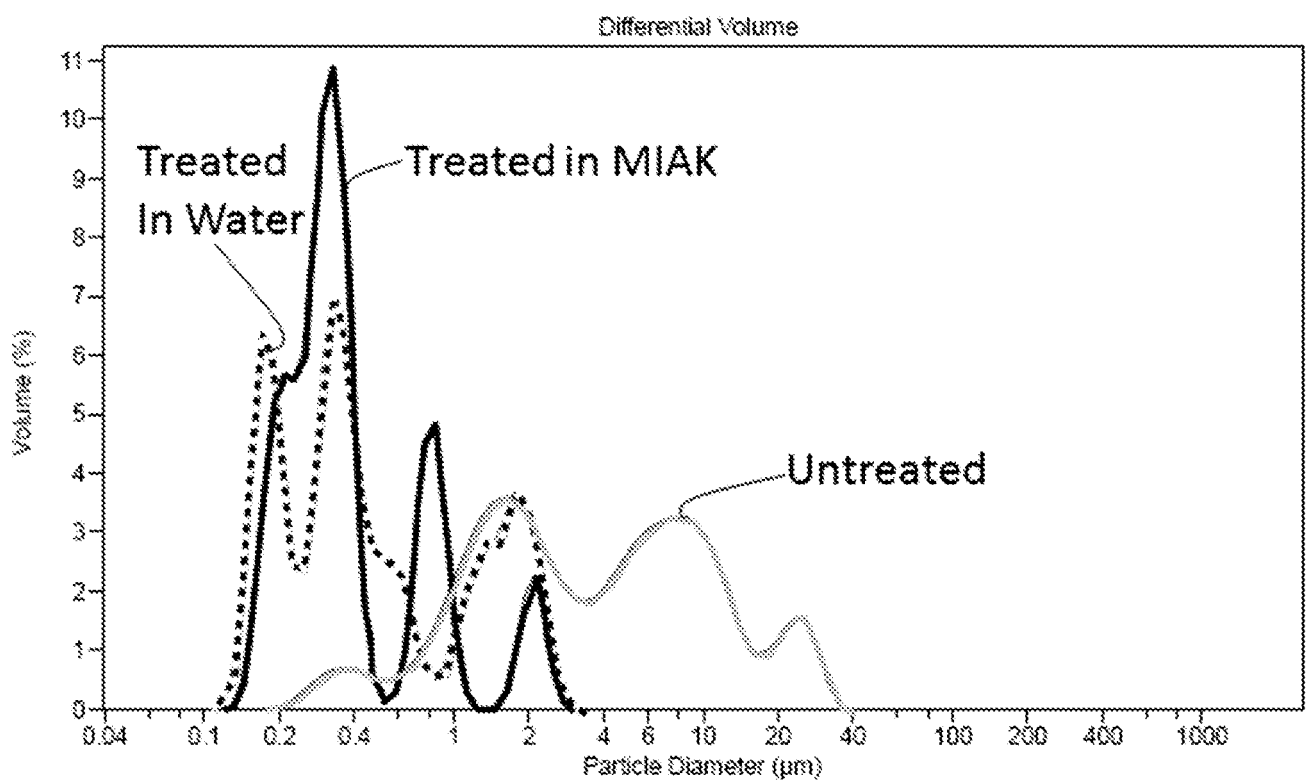
Figure 5B

Volume Statistics – Untreated Particles in MIAK

Calculations from 0.040 μm to 2000 μm				
Volume:	100%	S.D.:	3.896 μm	
Mean:	1.902 μm	Variance:	15.18 μm ²	
Median:	1.131 μm	C.V.:	205%	
Mean/Median ratio:	1.682	Skewness:	7.925 Right skewed	
Mode:	1.321 μm	Kurtosis:	83.90 Leptokurtic	
<10%	<25%	<50%	<75%	<90%
0.344 μm	0.639 μm	1.131 μm	1.791 μm	2.650 μm

Figure 5C

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**Figure 6A**

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Volume Statistics – Treated Particles in Water

Calculations from 0.040 µm to 2000 µm				
Volume:	100%			
Mean:	0.685 µm	S.D.:	0.637 µm	
Median:	0.368 µm	Variance:	0.405 µm ²	
Mean/Median ratio:	1.861	C.V.:	92.9%	
Mode:	0.326 µm	Skewness:	1.251 Right skewed	
		Kurtosis:	0.273 Leptokurtic	
<10%	<25%	<50%	<75%	<90%
0.169 µm	0.227 µm	0.368 µm	1.089 µm	1.783 µm

Figure 6B

Volume Statistics – Treated Particles in MIAK

Figure 6C

Calculations from 0.040 µm to 2000 µm				
Volume:	100%			
Mean:	0.528 µm	S.D.:	0.523 µm	
Median:	0.322 µm	Variance:	0.274 µm ²	
Mean/Median ratio:	1.640	C.V.:	99.2%	
Mode:	0.326 µm	Skewness:	2.376 Right skewed	
		Kurtosis:	5.038 Leptokurtic	
<10%	<25%	<50%	<75%	<90%
0.192 µm	0.246 µm	0.322 µm	0.664 µm	0.950 µm

Volume Statistics – Untreated Particles in MIAK

Calculations from 0.040 µm to 2000 µm				
Volume:	100%			
Mean:	6.060 µm	S.D.:	6.568 µm	
Median:	3.499 µm	Variance:	43.13 µm ²	
Mean/Median ratio:	1.732	C.V.:	108%	
Mode:	1.592 µm	Skewness:	1.821 Right skewed	
		Kurtosis:	3.091 Leptokurtic	
<10%	<25%	<50%	<75%	<90%
0.895 µm	1.486 µm	3.499 µm	8.279 µm	14.58 µm

Figure 6D