

FIG. 1A

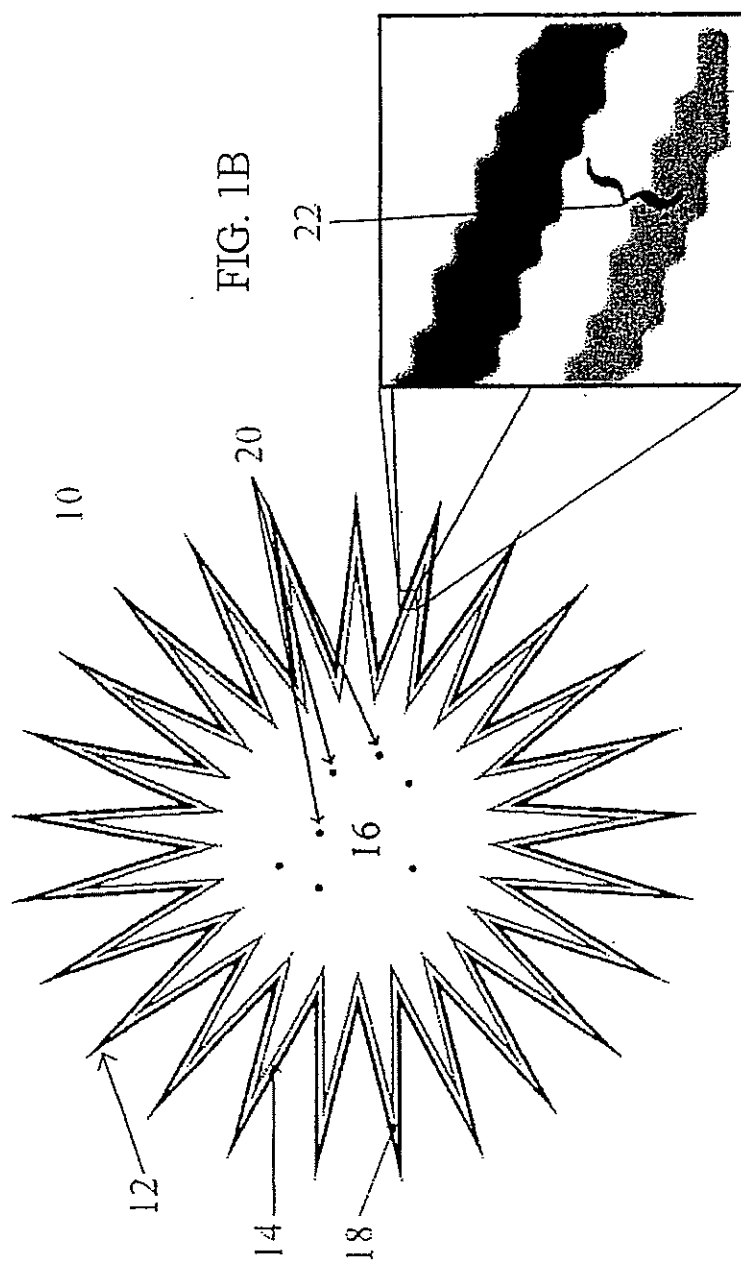


FIG. 2

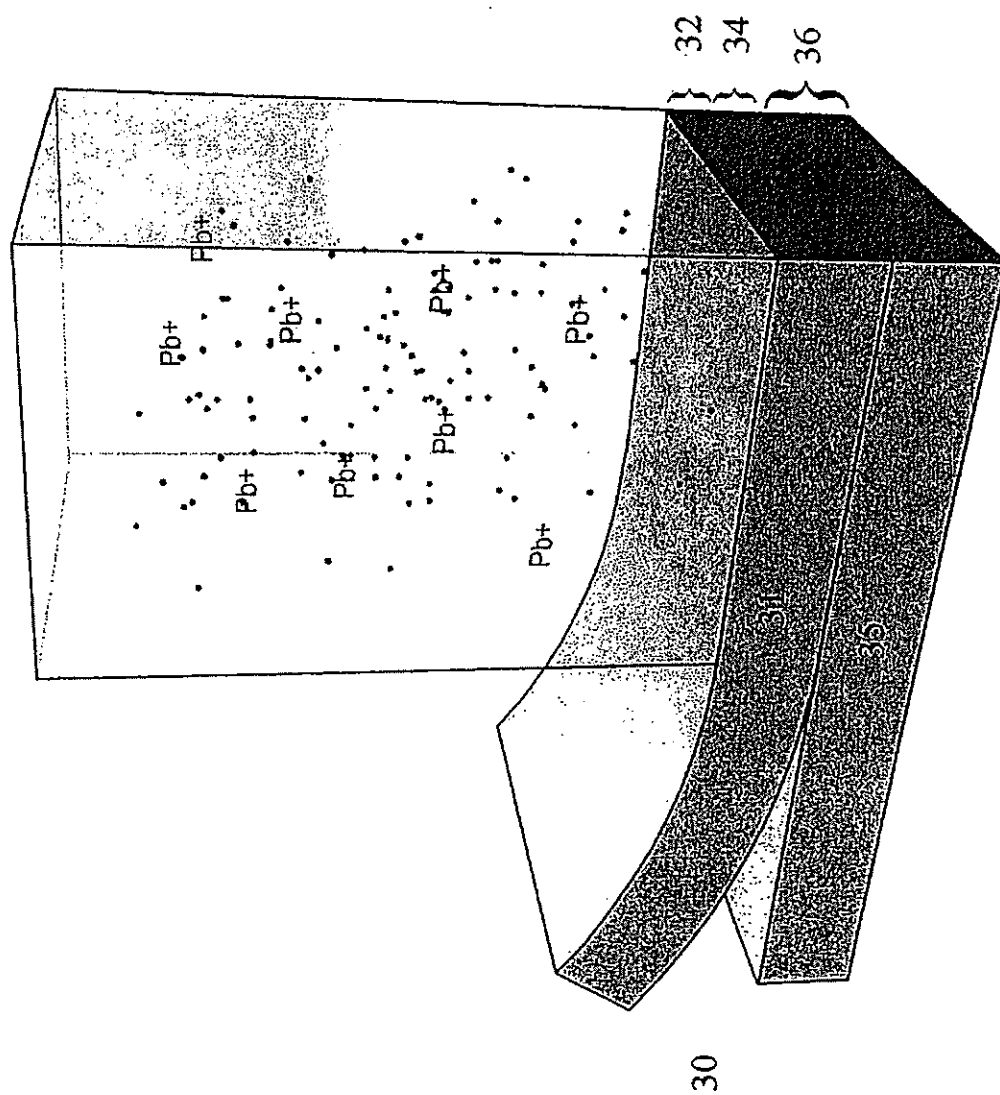
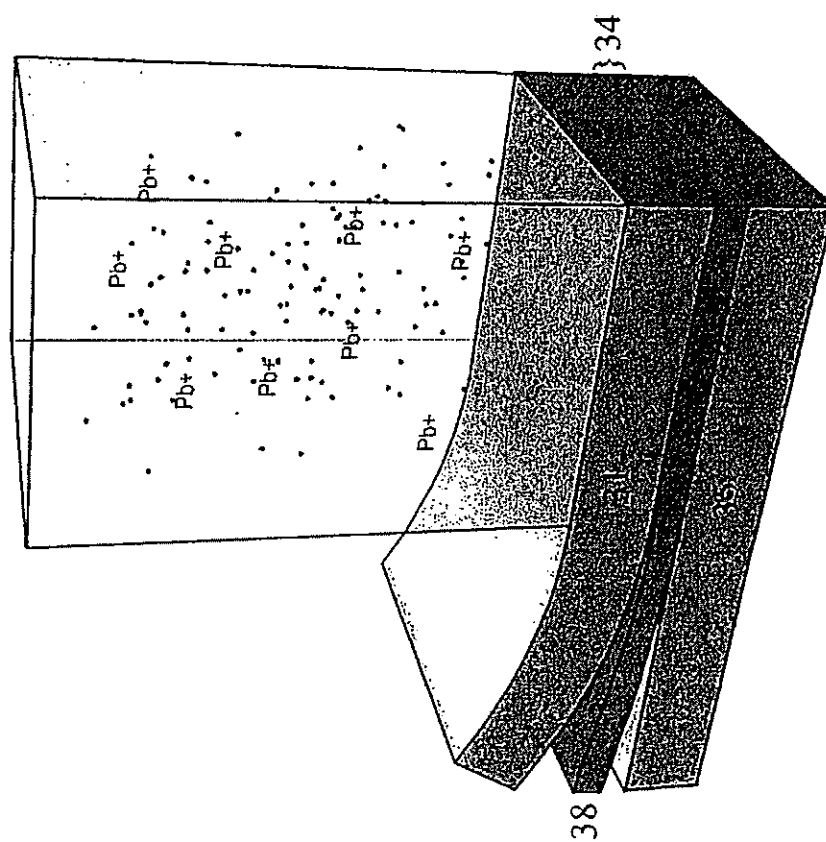


FIG. 3



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FIG. 4

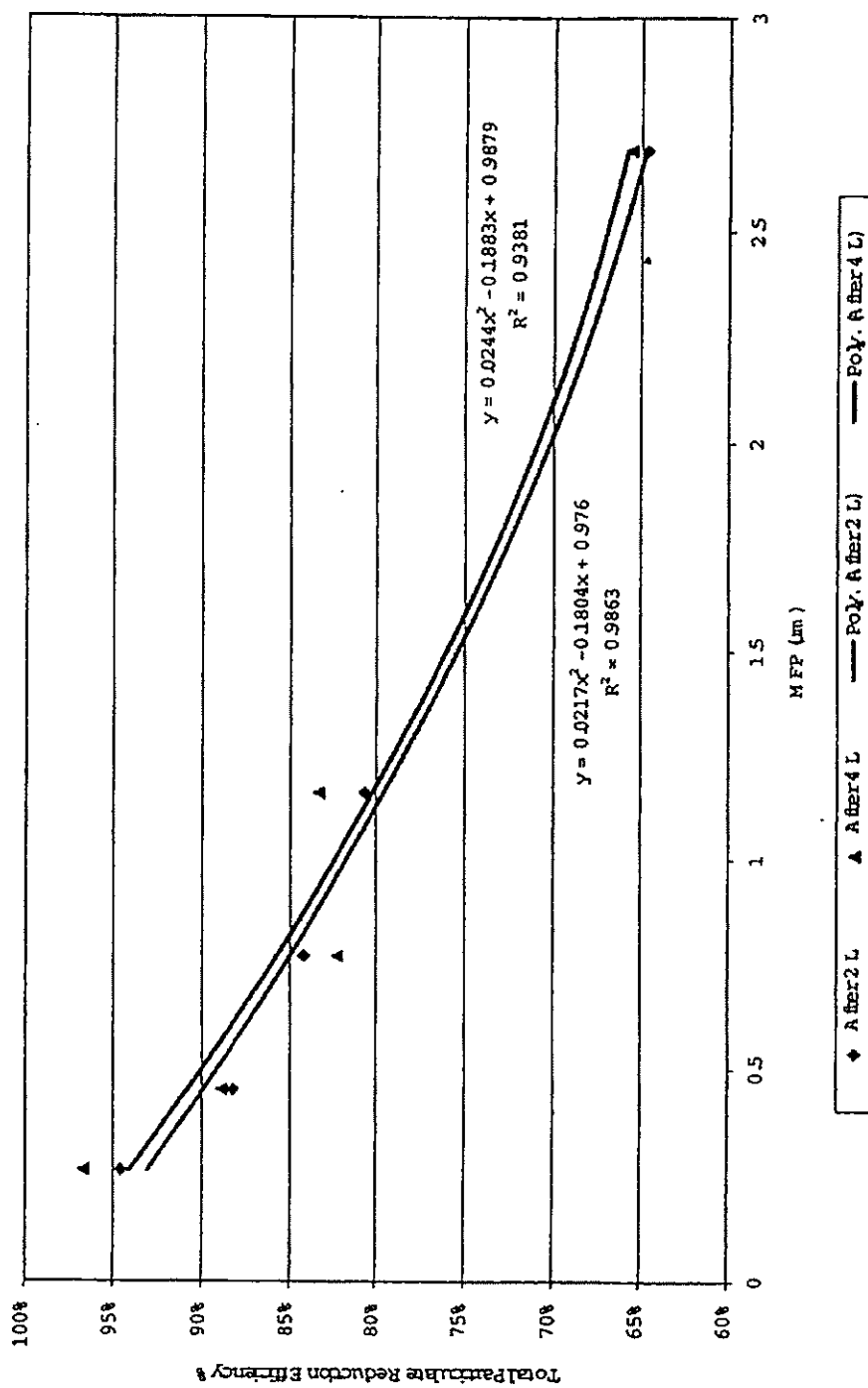
After 2 L													
Sample	MFR	Pb ₁	Pb _{1,2}	Pb _{2,1}	Pb ₂	Avg (Pb ₂)	% Pb ₂	Pb ₃	% Pb ₃	Total Particulate Reduction	Avg TPR	Fine Particulate Reduction	Avg FPR
Influent	NA	153	122	108	45	NA	29%	14	31%	NA	NA	NA	NA
Control A	NA	151	122	107	44	44.5	29%	15	34%	2%	1%	-7%	-4%
Control B	NA	150	119	105	45		30%	14	31%	0%		0%	
PD04A	0.26	97.9	98.4	96.6	1.3	2.5	1%	1.8	138%	97%	95%	87%	89%
PD04B		100	97.6	96.4	3.6		4%	1.2	33%	92%		91%	
PD05A	0.45	100	102	96.7	3.3	5.3	3%	5.3	161%	93%	88%	62%	62%
PD05B		103	101	95.7	7.3		7%	5.3	73%	84%		62%	
PD06A	0.77	103	99.7	95.7	7.3	7.1	7%	4	55%	84%	84%	71%	77%
PD06B		103	98.5	96.1	6.9		7%	2.4	35%	85%		83%	
PD07A	1.16	103	98.5	95.4	7.6	8.7	7%	3.1	41%	83%	81%	78%	58%
PD07B		105	104	95.2	9.8		9%	8.8	90%	78%		37%	
PD0785A	2.69	115	111	98.5	16.5	15.9	14%	12.5	76%	63%	65%	11%	22%
PD0785B		115	109	99.7	15.3		13%	9.3	61%	66%		34%	

FIG. 5

After 4 L													
Sample	MFR	Pb ₁	Pb _{1,2}	Pb _{2,1}	Pb ₂	Avg (Pb ₂)	% Pb ₂	Pb ₃	% Pb ₃	Total Particulate Reduction	Avg TPR	Fine Particulate Reduction	Avg FPR
Influent	NA	141	131	105	36	NA	26%	26	72%	NA	NA	NA	NA
Control A	NA	144	128	109	35	36.5	24%	19	54%	22%	19%	-36%	-50%
Control B	NA	145	130	107	38		26%	23	61%	16%		-64%	
PD04A	0.26	103	102	101	2	1.5	2%	1	50%	96%	97%	93%	93%
PD04B		104	104	103	1		1%	1	100%	98%		93%	
PD05A	0.45	109	107	106	3	5.0	3%	1	33%	93%	89%	93%	79%
PD05B		112	110	105	7		6%	5	71%	84%		64%	
PD06A	0.77	111	104	103	8	8.0	7%	1	13%	82%	82%	93%	93%
PD06B		111	104	103	8		7%	1	13%	82%		93%	
PD07A	1.16	110	111	104	6	7.5	5%	7	117%	87%	83%	50%	54%
PD07B		113	110	104	9		8%	6	67%	80%		57%	
PD0785A	2.69	123	121	106	17	15.5	14%	15	88%	62%	66%	-7%	-4%
PD0785B		122	122	108	14		11%	14	100%	69%		0%	

FIG. 6

Chart 1: Total Particulate Reduction Efficiency VS MFP



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FIG. 7

Chart 2: Total Particulate Concentration in Effluent vs MFP

