

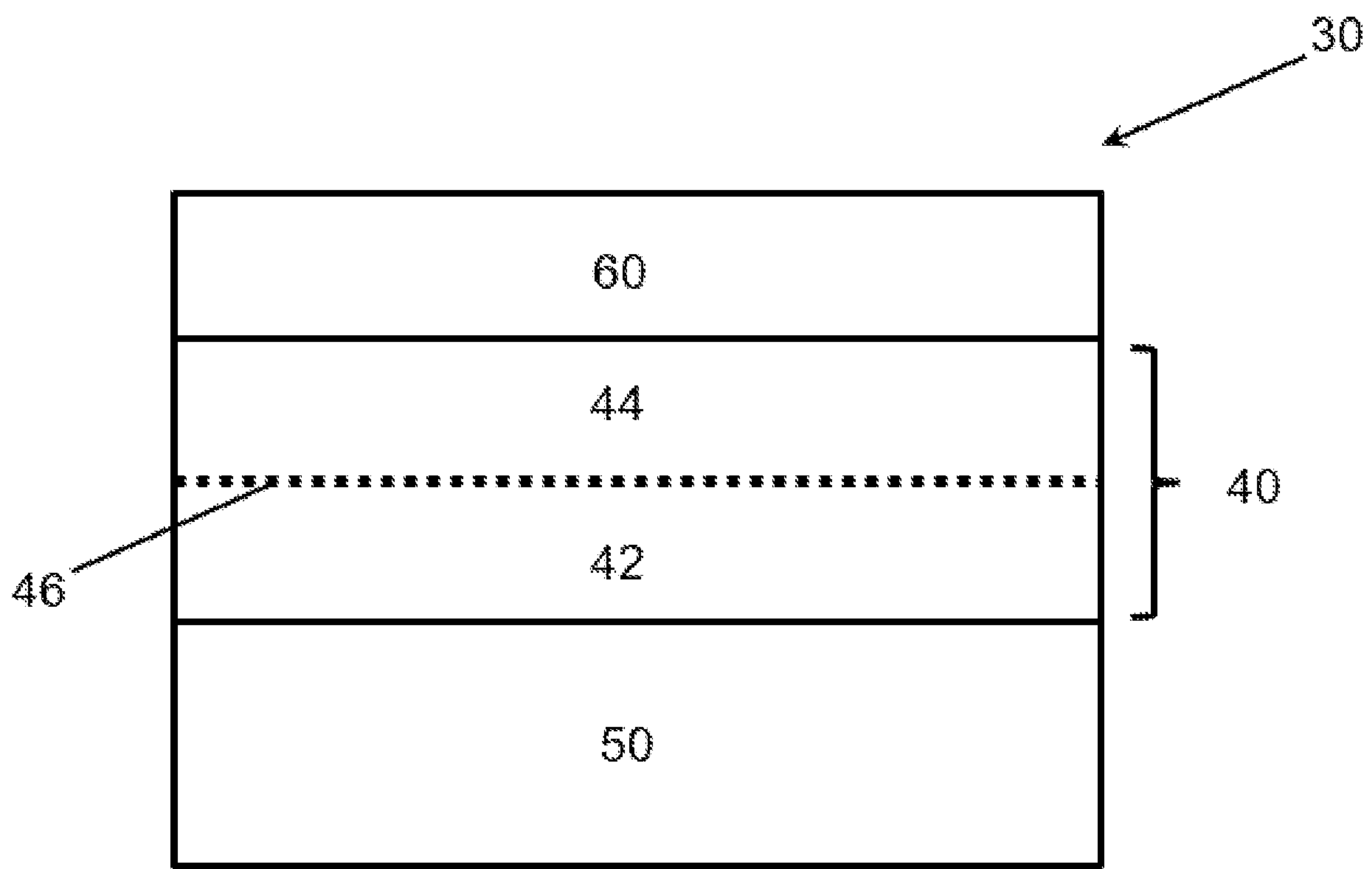


Fig. 1

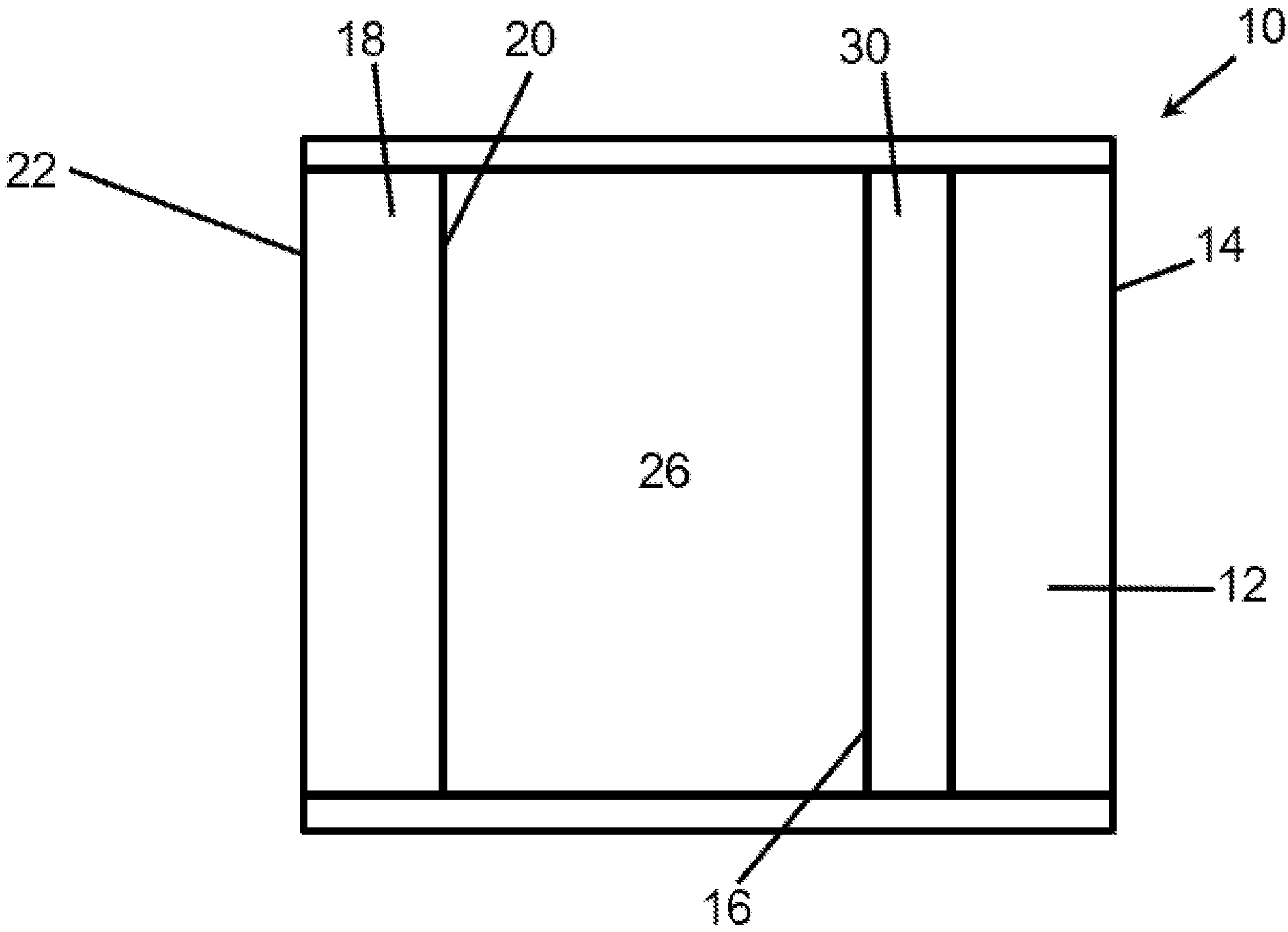


Fig. 2

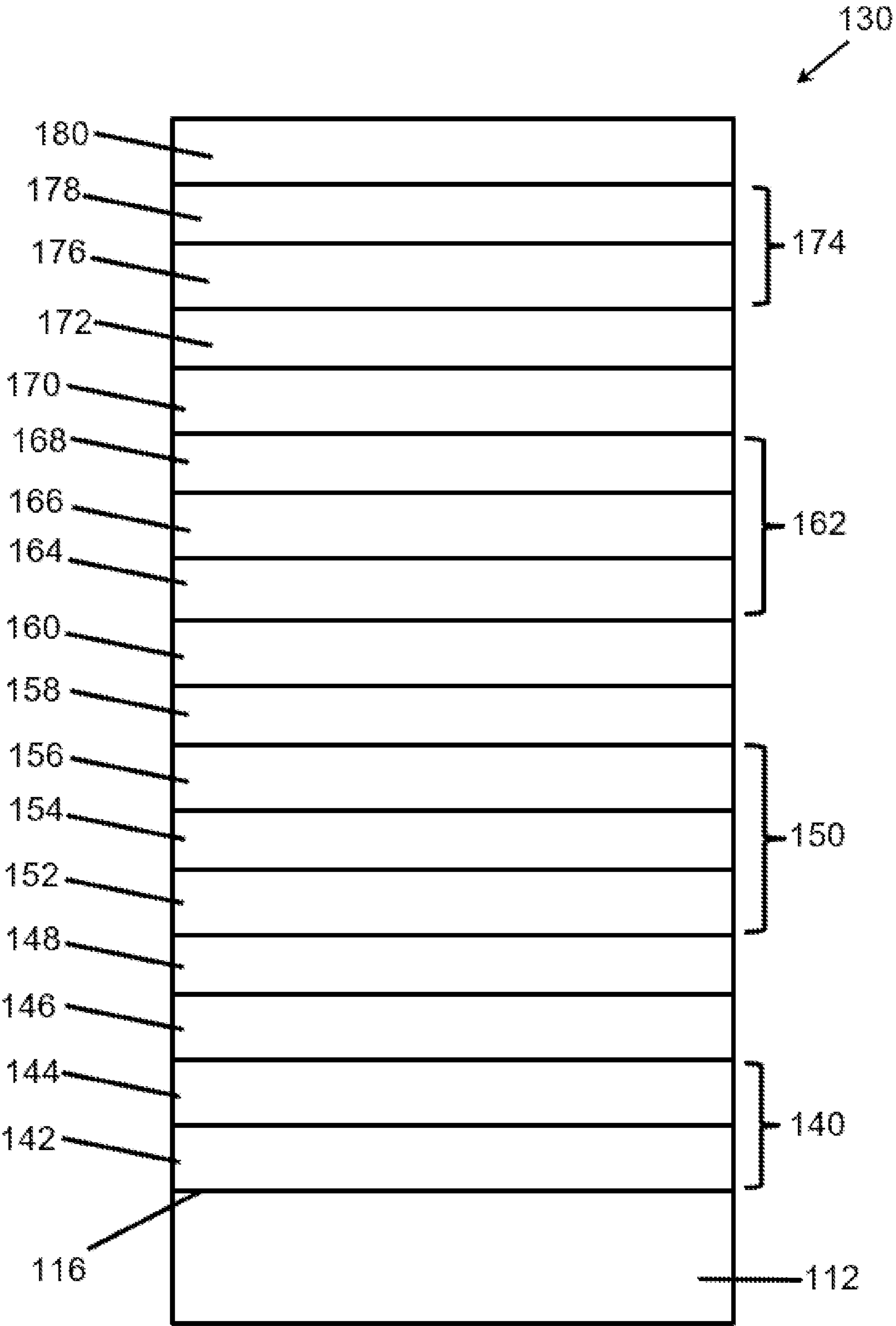


Fig. 3

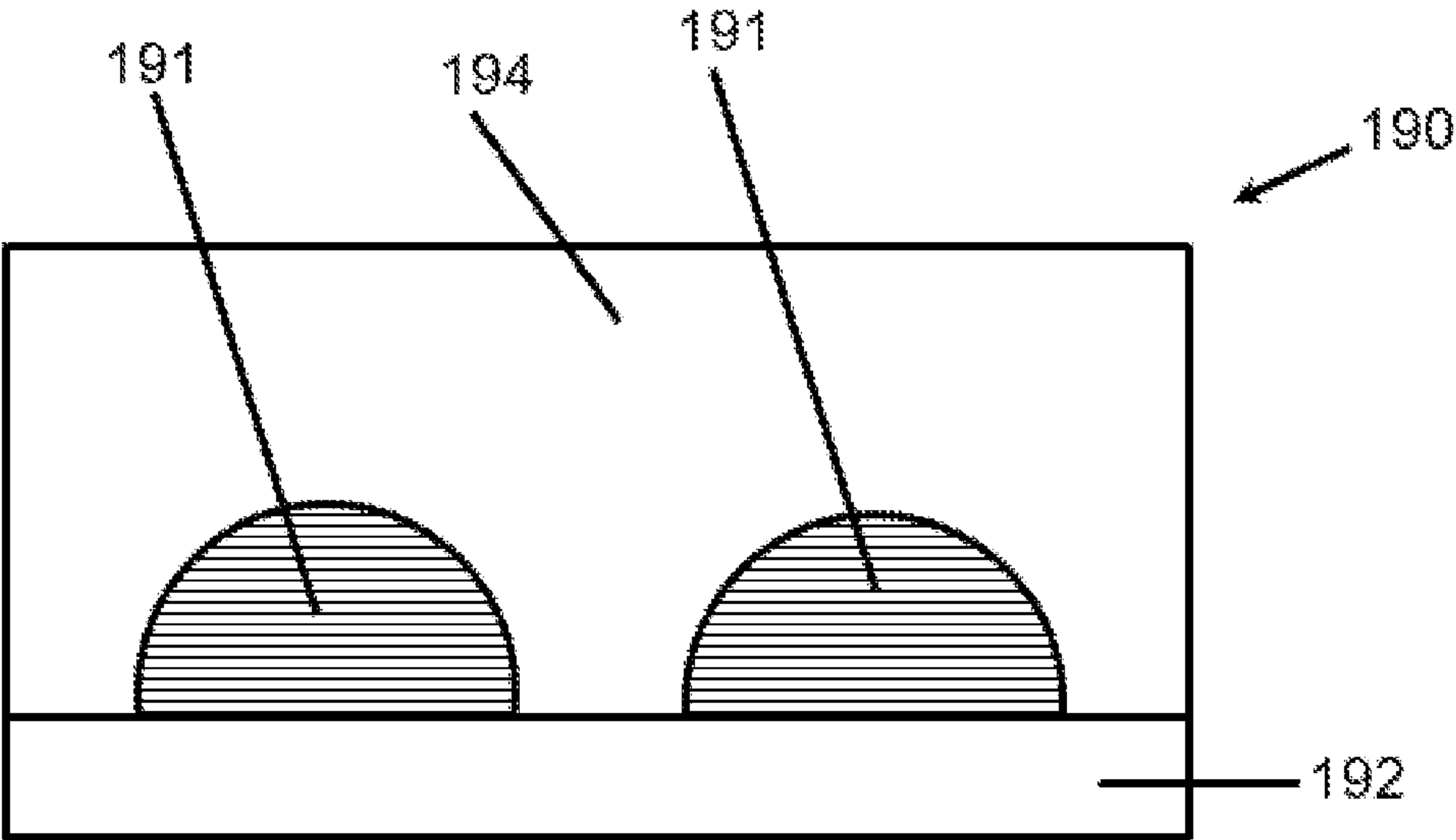


Fig. 4

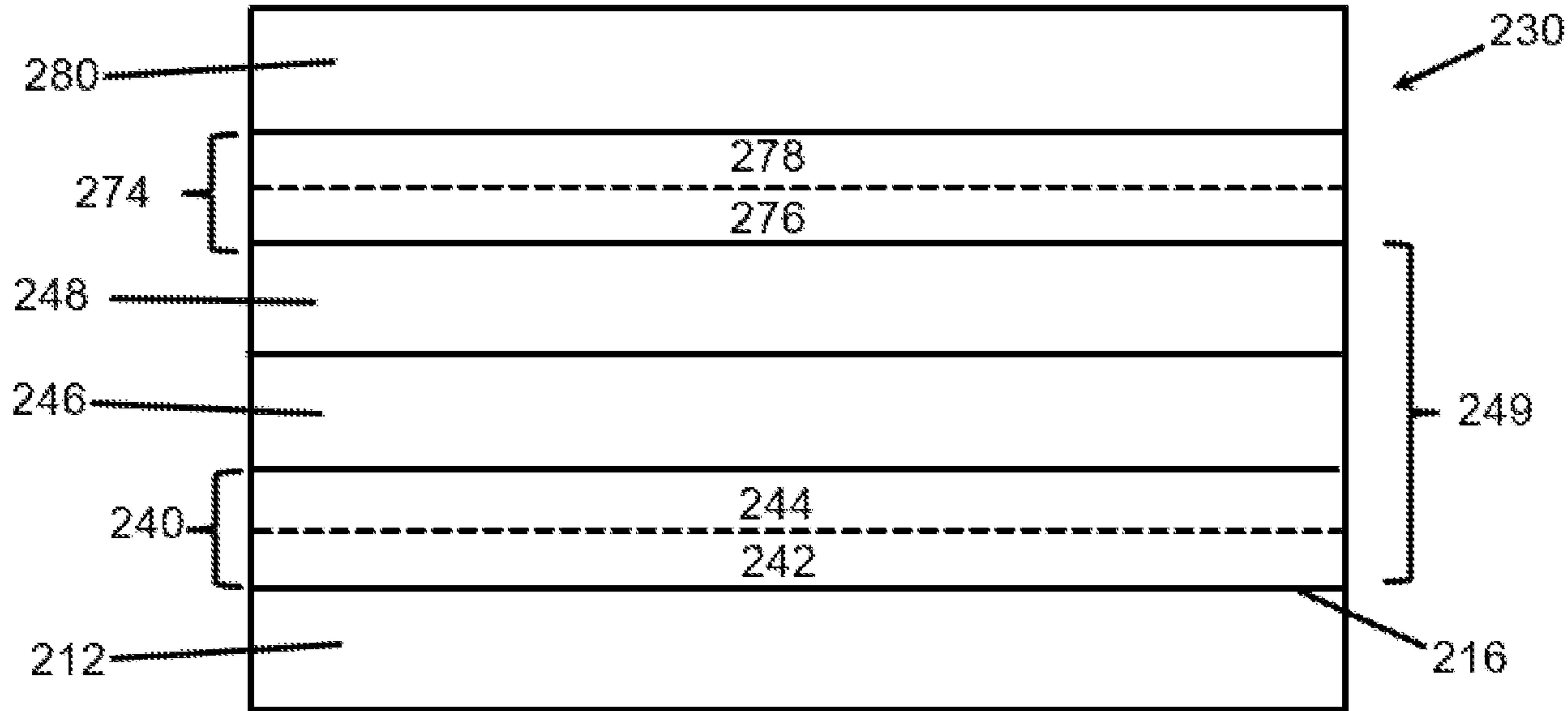


Fig. 5

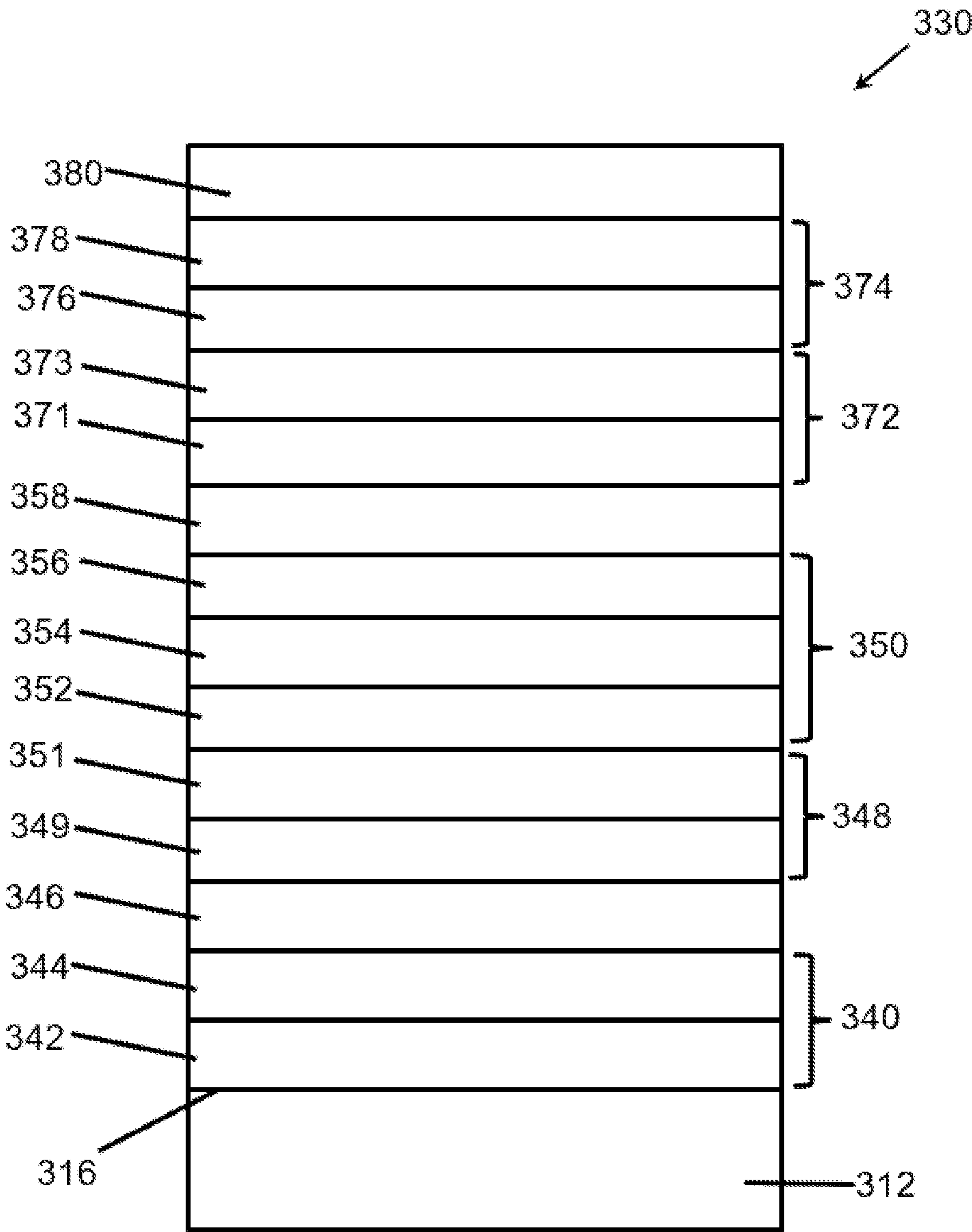


Fig. 6

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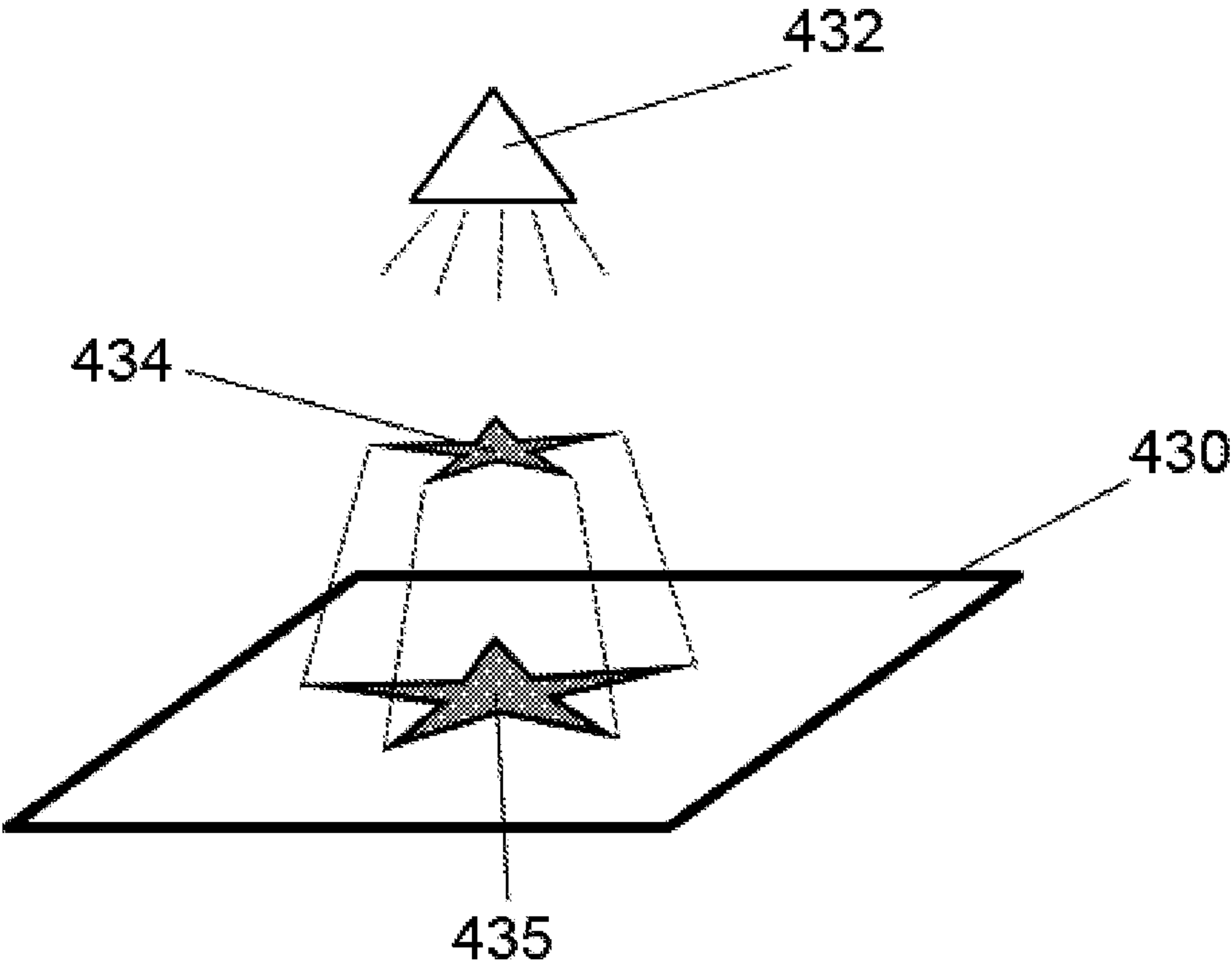


Fig. 7

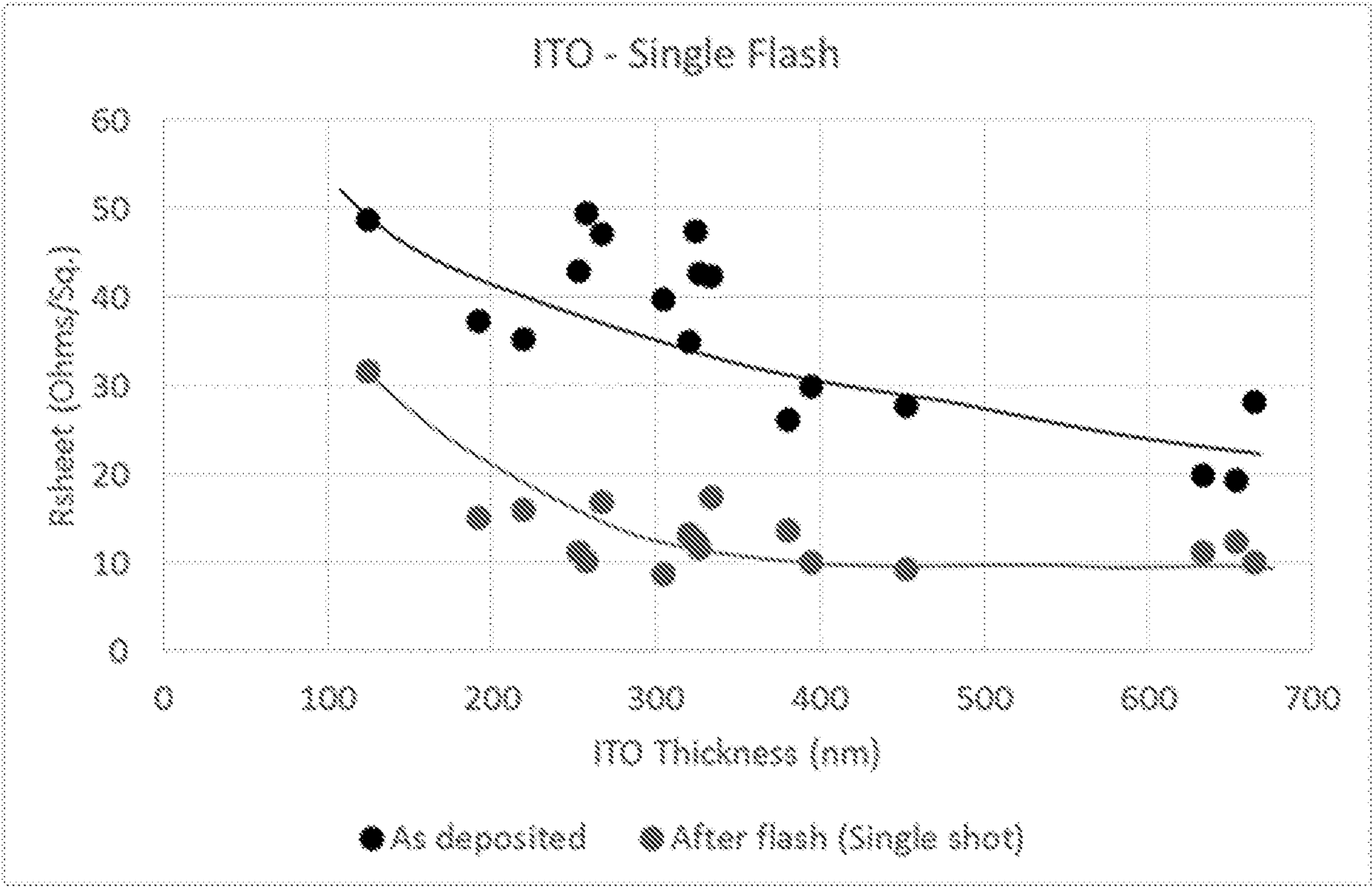


Fig. 8

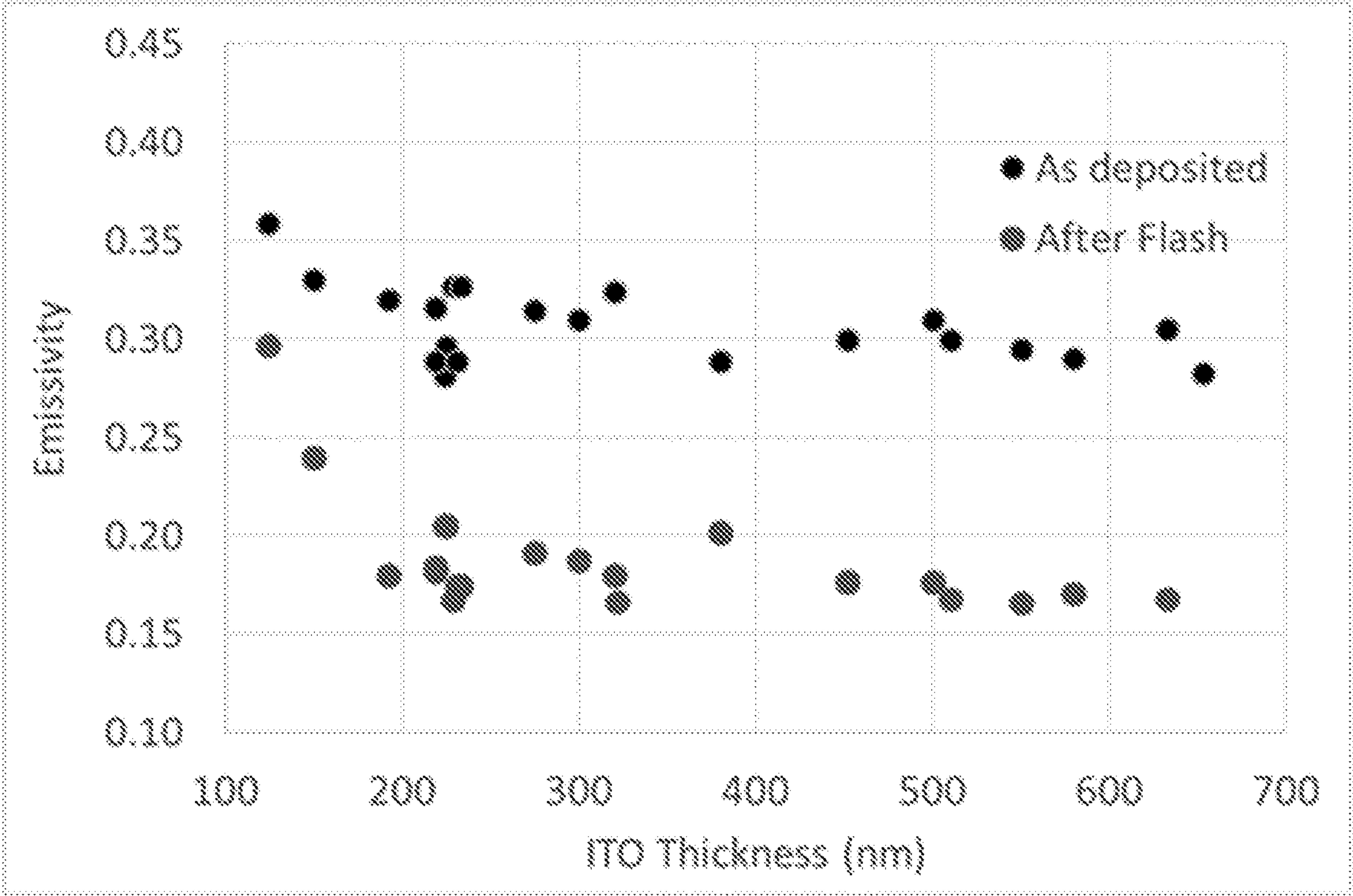


Fig. 9

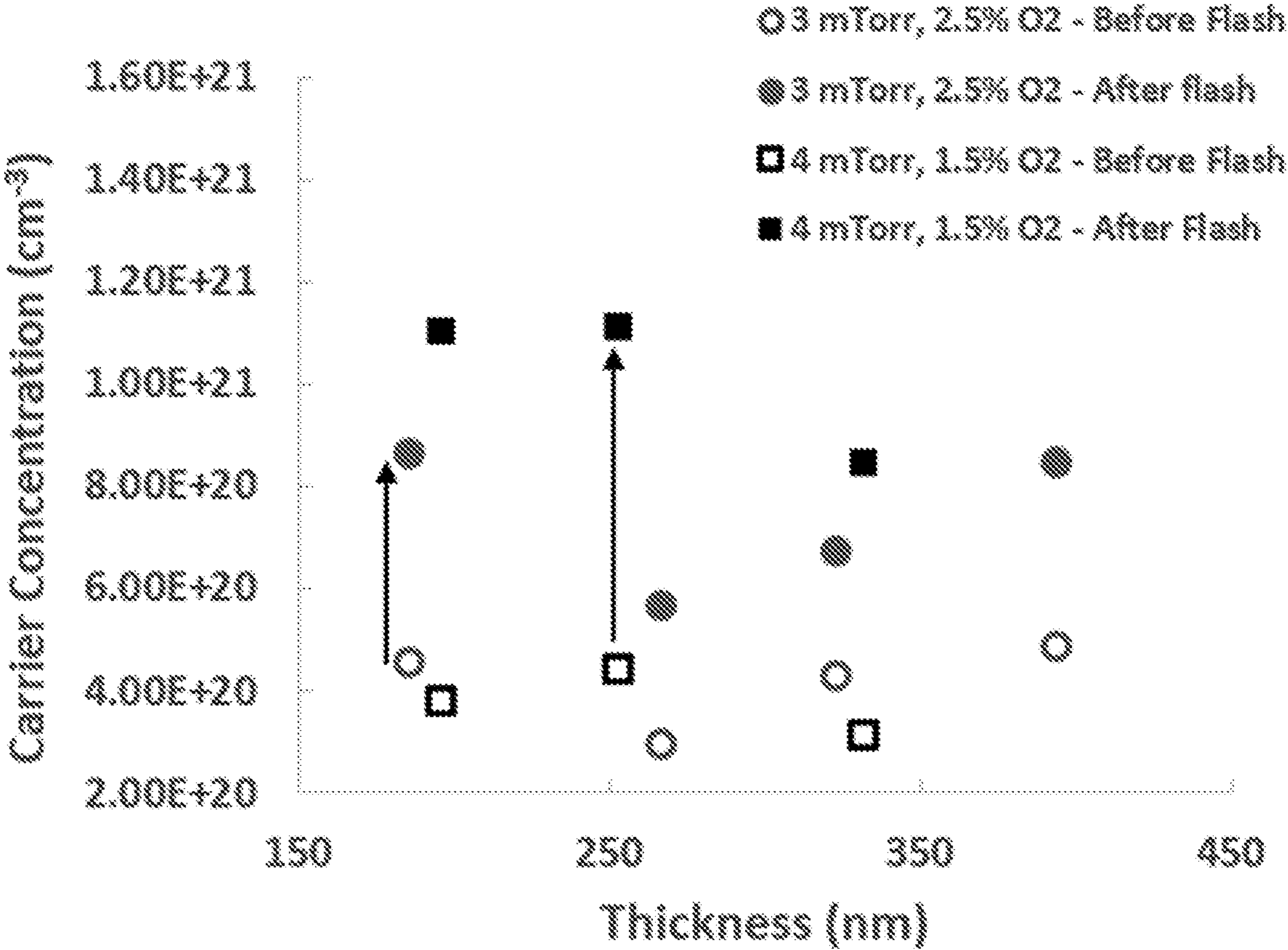


Fig. 10A

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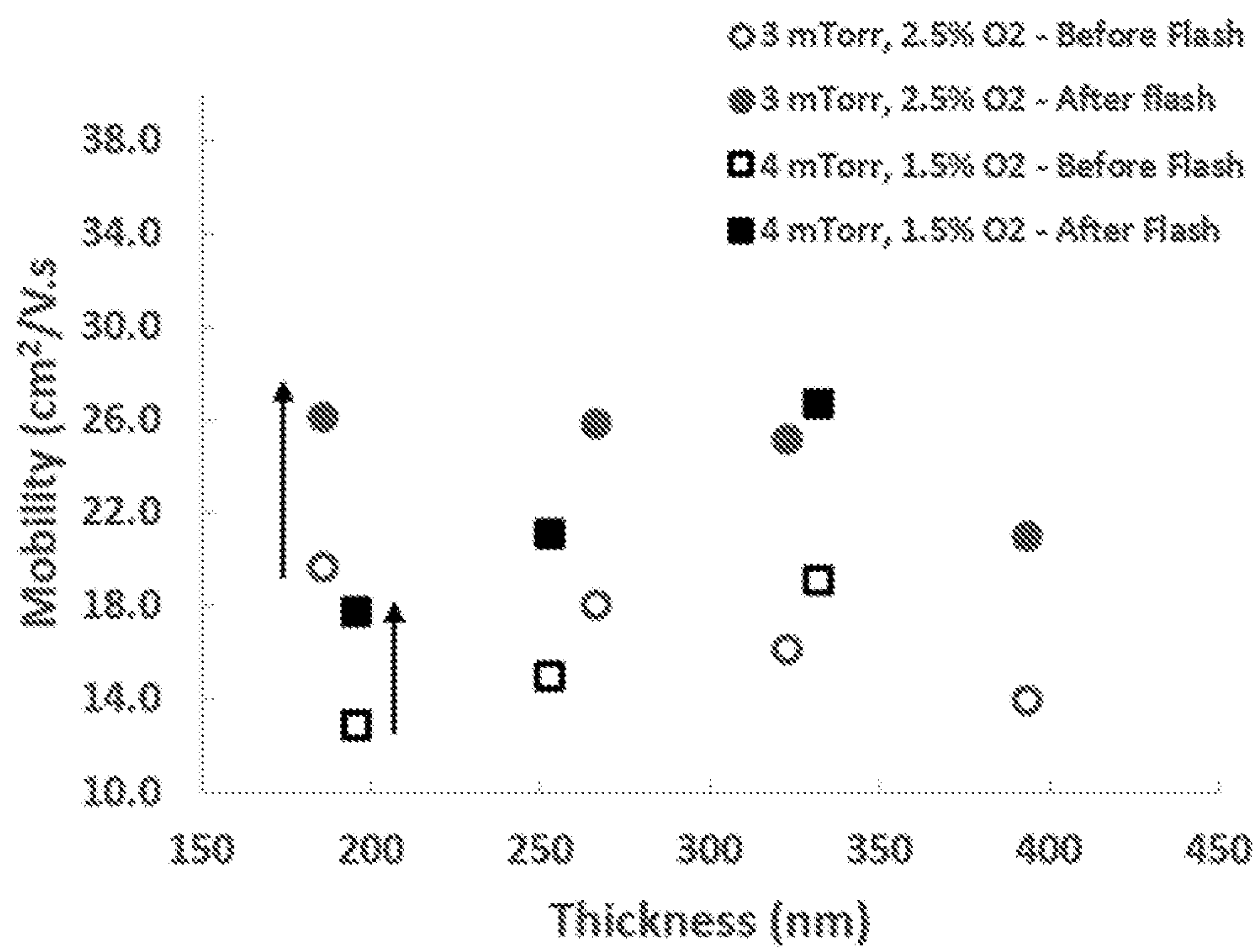


Fig. 10B

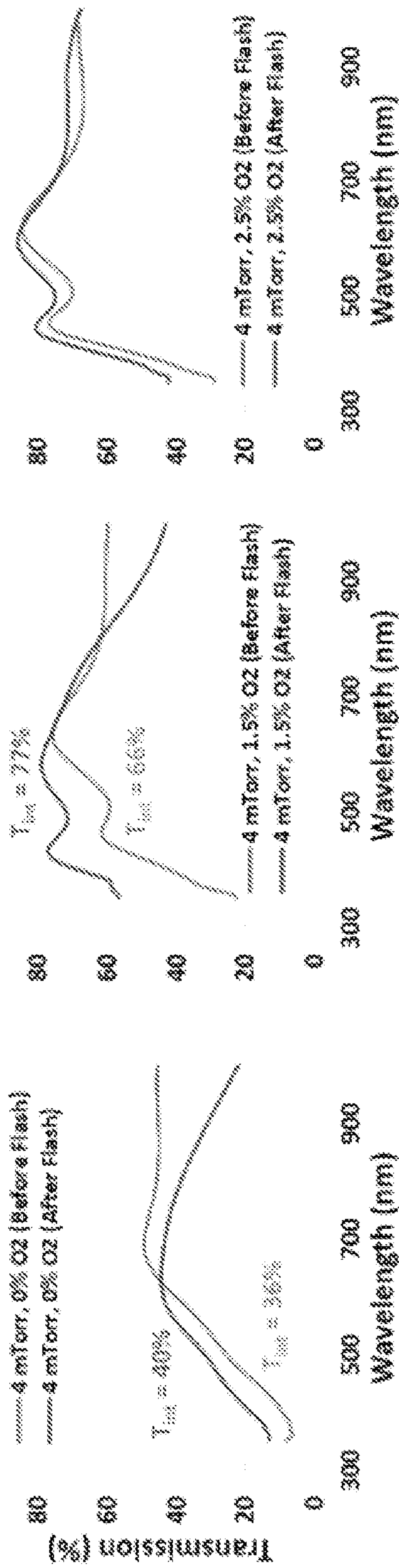


Fig. 11A

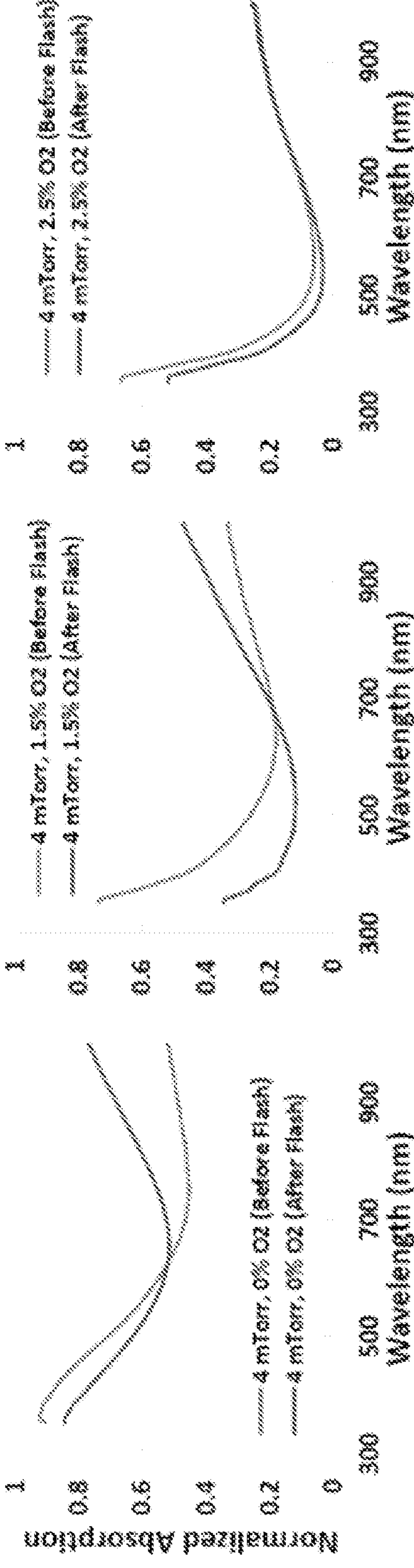


Fig. 11B

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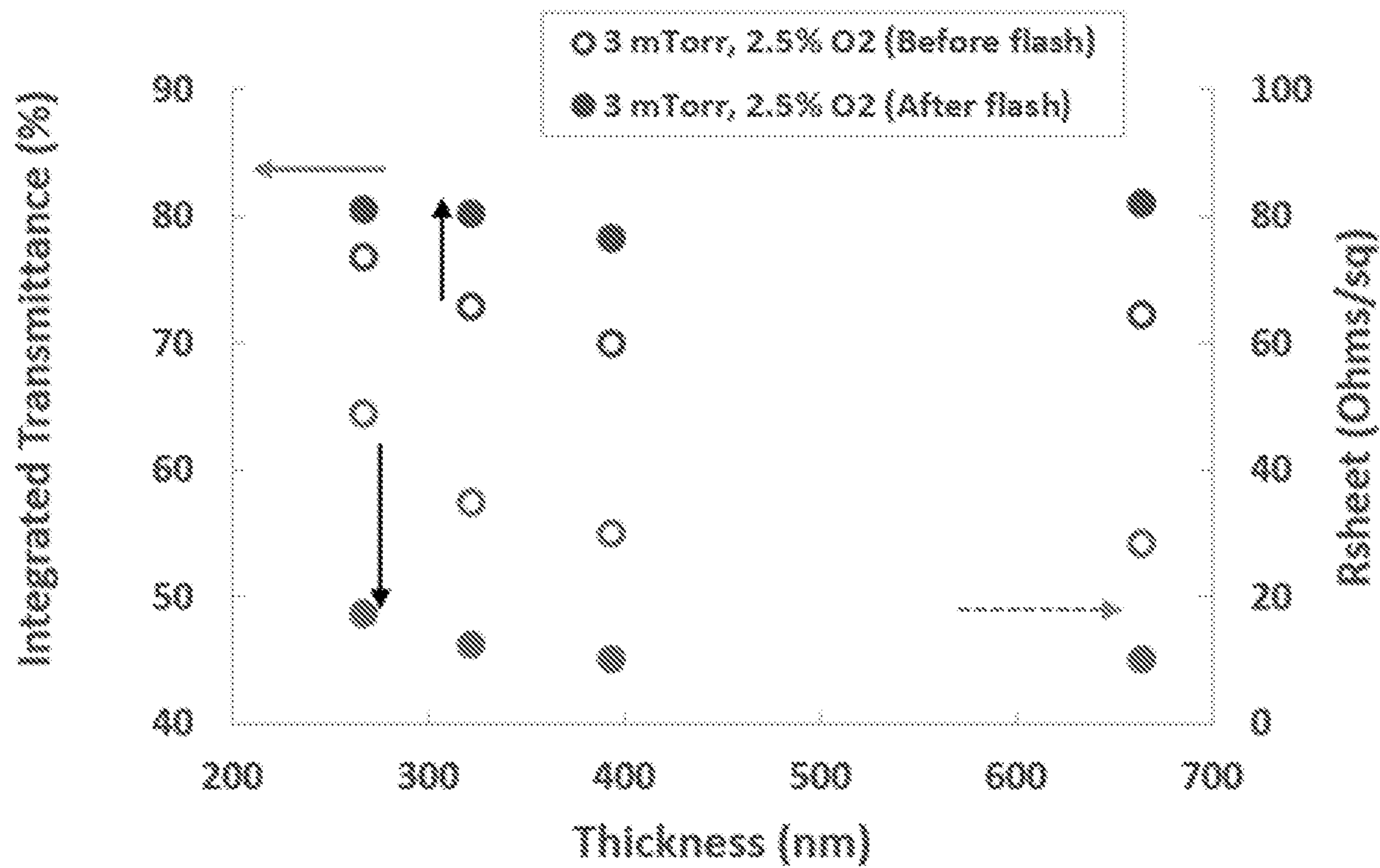


Fig. 12

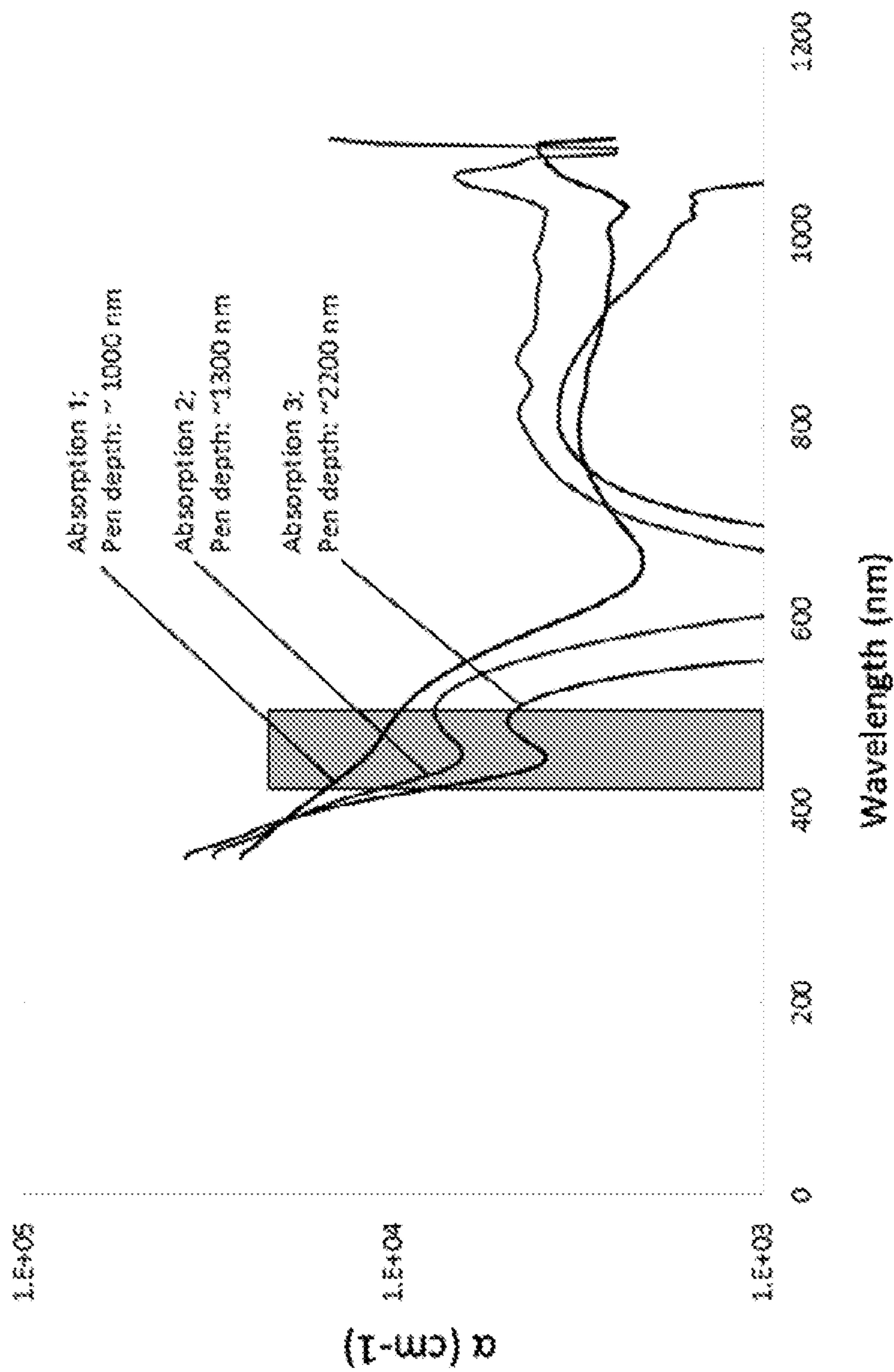


Fig. 13A

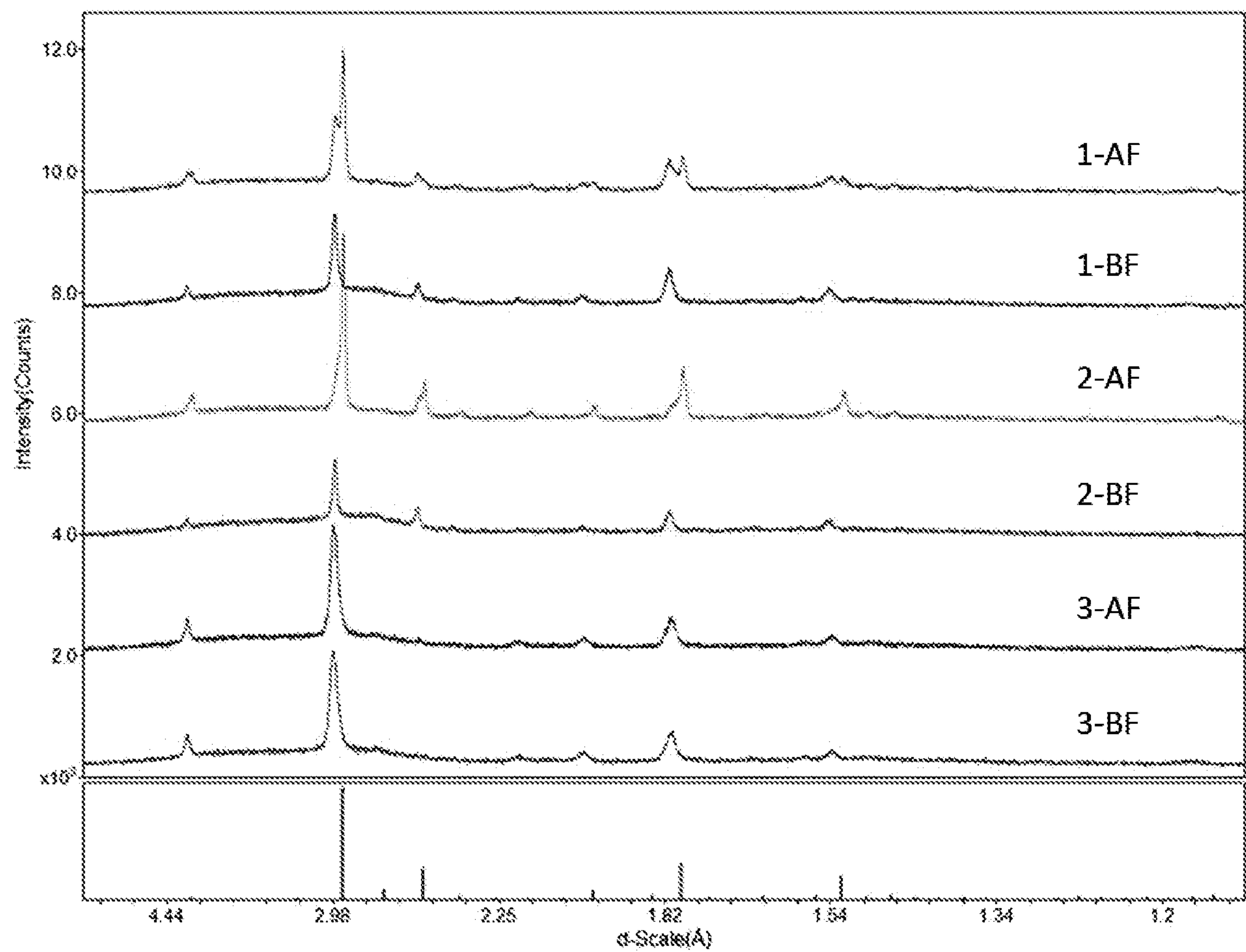


Fig 13B

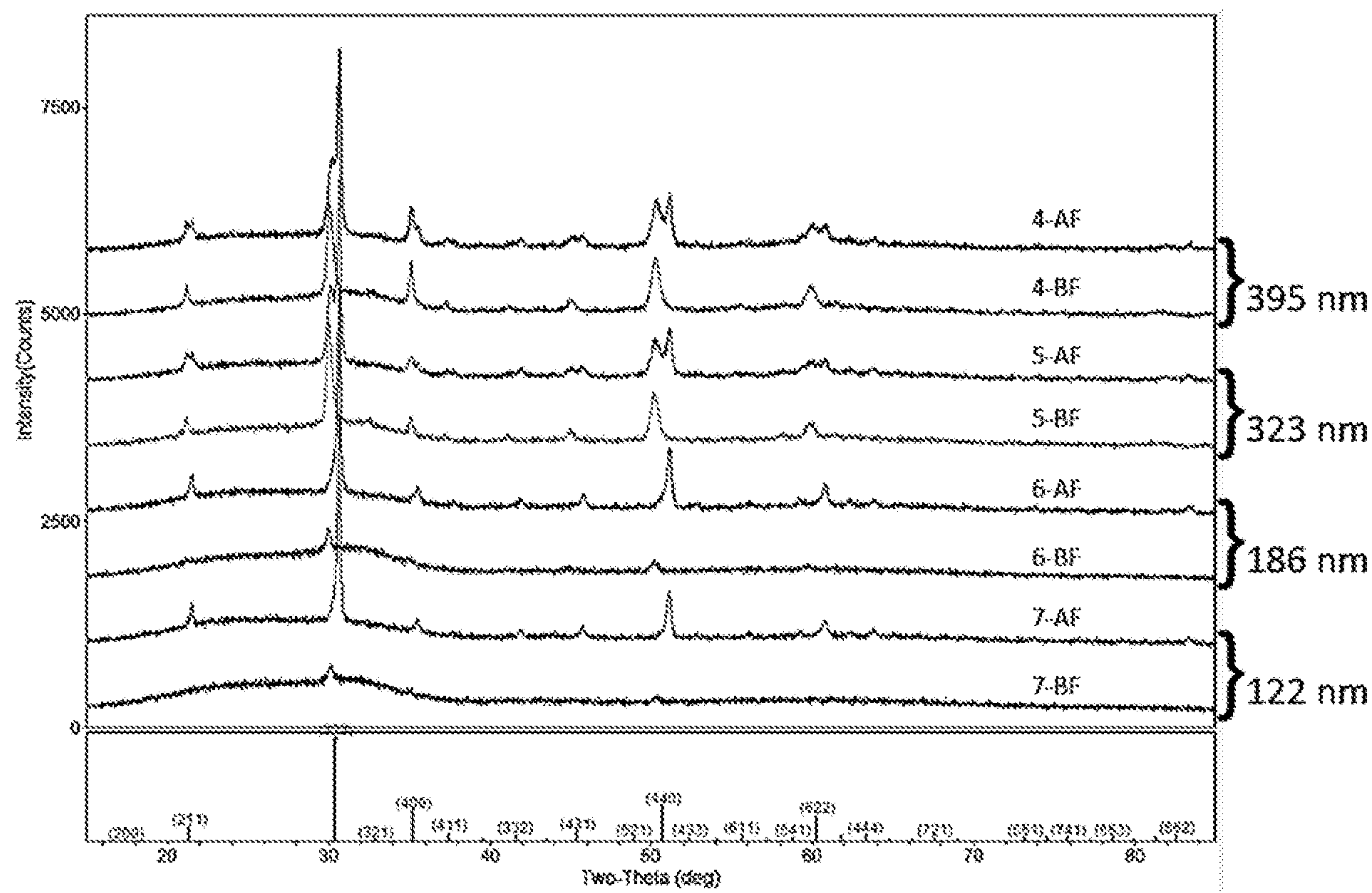


Fig. 14

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Sample	Voltage (V)	Duration (μ s)	R_s Before Flash (Ω)	R_s After Flash (Ω)
5G460 1kW-1	650	500	3.59	3.44
1kW-2	700	500	3.56	4-6 DAM
1kW-3	675	500	3.59	3.64 DAM
1kW-4	660	500	3.59	3.57
1kW-5	640	500	3.58	3.45
1kW-6	620	1000	3.58	3.85
1kW-7	600	1000	3.6	3.59 DAM
1kW-8	580	1000	3.6	3.44
1kW-9	520	2000	3.57	3.43
1.5kW-1	650	500	3.59	3.36-3.8 DAM
1.5kW-2	640	500	3.57	3.45
1.5kW-3	630	500	3.59	3.37
1.5kW-4	570	1000		3.37
1.5kW-5	500	2000	3.58	3.43
1.5kW-6	510	2000	3.58	3.42
1.5kW-7	520	2000	3.58	3.41
1.5kW-8	540	2000	3.58	3.4
1.5kW-4x4	640	500		
2kW-1	640	500	3.63	3.39
2kW-2	630	500	3.63	3.42
2kW-3	650	500	3.63	3.42
2kW-4	620	1000	3.63	3.39
2kW-5	510	2000		3.45
2kW-6	700	400	3.63	3.60 DAM?
2kW-7	690	400	3.65	3.47
2kW-8	680	400		3.41
2kW-9	670	400		3.4
2kW-10	710	300	3.63	3.43
2kW-11	720	300	3.63	3.4
2kW-12	730	300	3.63	3.53
Nom-1	650	500	3.68	3.88
Nom-2	630	500	3.68	3.62
Nom-3	610	500		3.58
Nom-4	600	500	3.67	3.56
Nom-5	620	500	3.7	3.55
Nom-4x4			3.65	

Fig. 15

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Glass 2	Color								
	Visible			Transmitted			Reflected Exterior		
	Trans	Refl. Ext	Refl. Int.	L*	a*	b*	L*	a*	b*
Sungate 460 - Standard	74.2%	12.4%	11.0%	89.02	-2.18	1.20	41.92	-1.94	-0.03
Sungate 460VT	75.3%	12.9%	11.4%	89.51	-1.31	0.78	42.59	-2.61	0.35
1.5_KV_- 4X4	76.0%	12.9%	11.7%	89.85	-1.50	1.46	42.64	-1.78	-0.37
1.5_KV_- BF	75.3%	13.0%	11.7%	89.50	-1.78	1.36	42.77	-1.97	-0.03
NOM_- 4X4	75.3%	13.0%	11.6%	89.53	-1.59	1.33	42.70	-2.35	0.32

Fig. 16

Glass 2	Ufactor											
	Solar			UV	Winter		Summer		SC	SHGC	LDG	Emiss
	Trans	Refl. Ext	Refl. Int.		Btu/h-ft ² -F	W/m ² -K	Btu/h-ft ² -F	W/m ² -K				
Sungate 460 - Standard	43.7%	28.4%	26.1%	17.5%	0.302	1.713	0.286	1.623	0.648	0.564	1.32	
Sungate 460VT	46.4%	27.5%	25.2%	20.4%	0.296	1.679	0.277	1.575	0.665	0.579	1.30	
1.5_KV_- 4X4	47.5%	27.8%	30.7%	17.8%	0.300	1.705	0.284	1.613	0.664	0.578	1.32	0.053
1.5_KV_- BF	46.7%	27.8%	30.6%	17.1%	0.302	1.713	0.286	1.624	0.662	0.576	1.31	0.057
NOM_- 4X4	47.1%	27.6%	30.6%	17.5%	0.302	1.717	0.287	1.629	0.666	0.579	1.30	0.059

Fig. 17

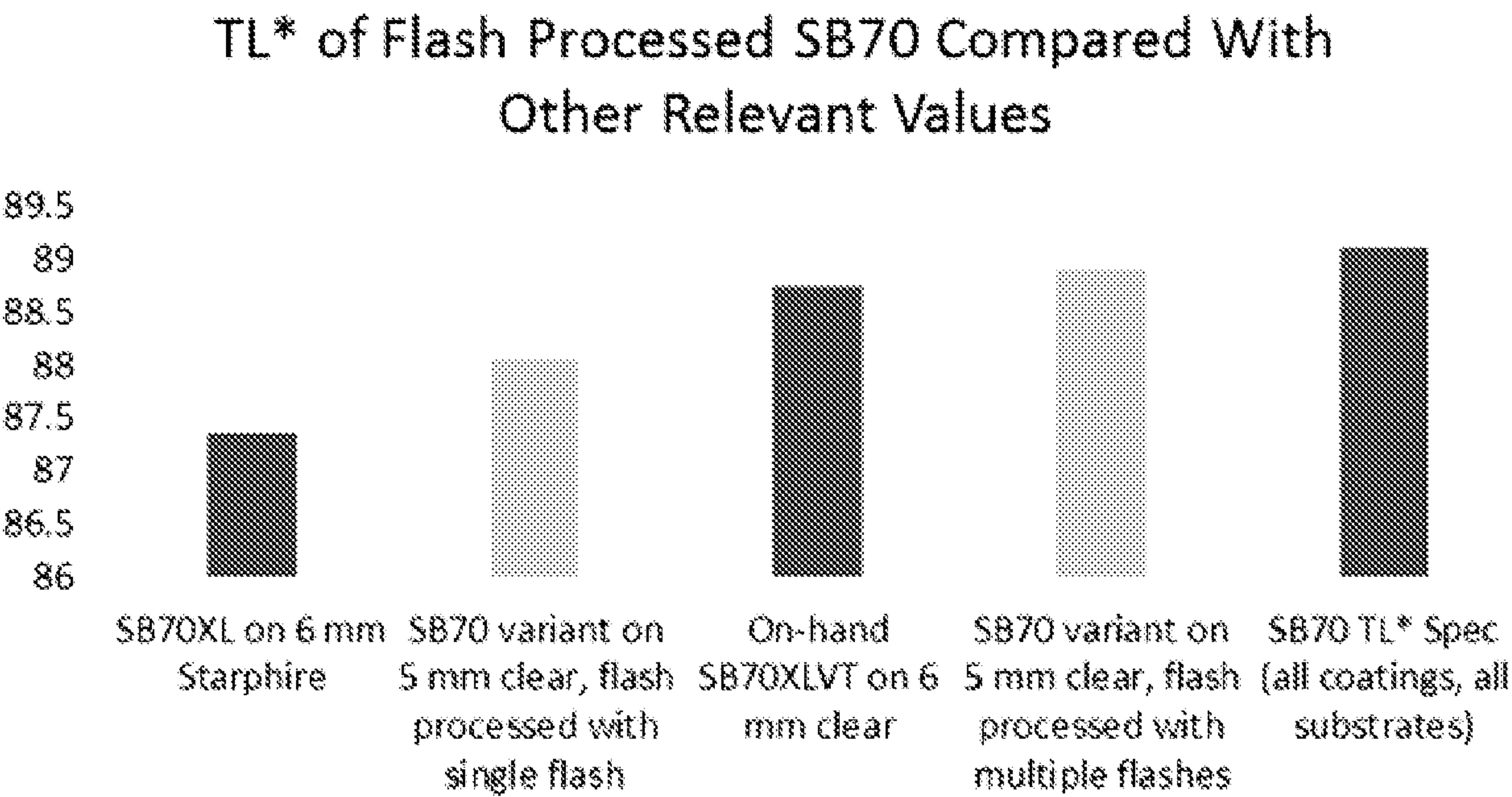


Fig. 18

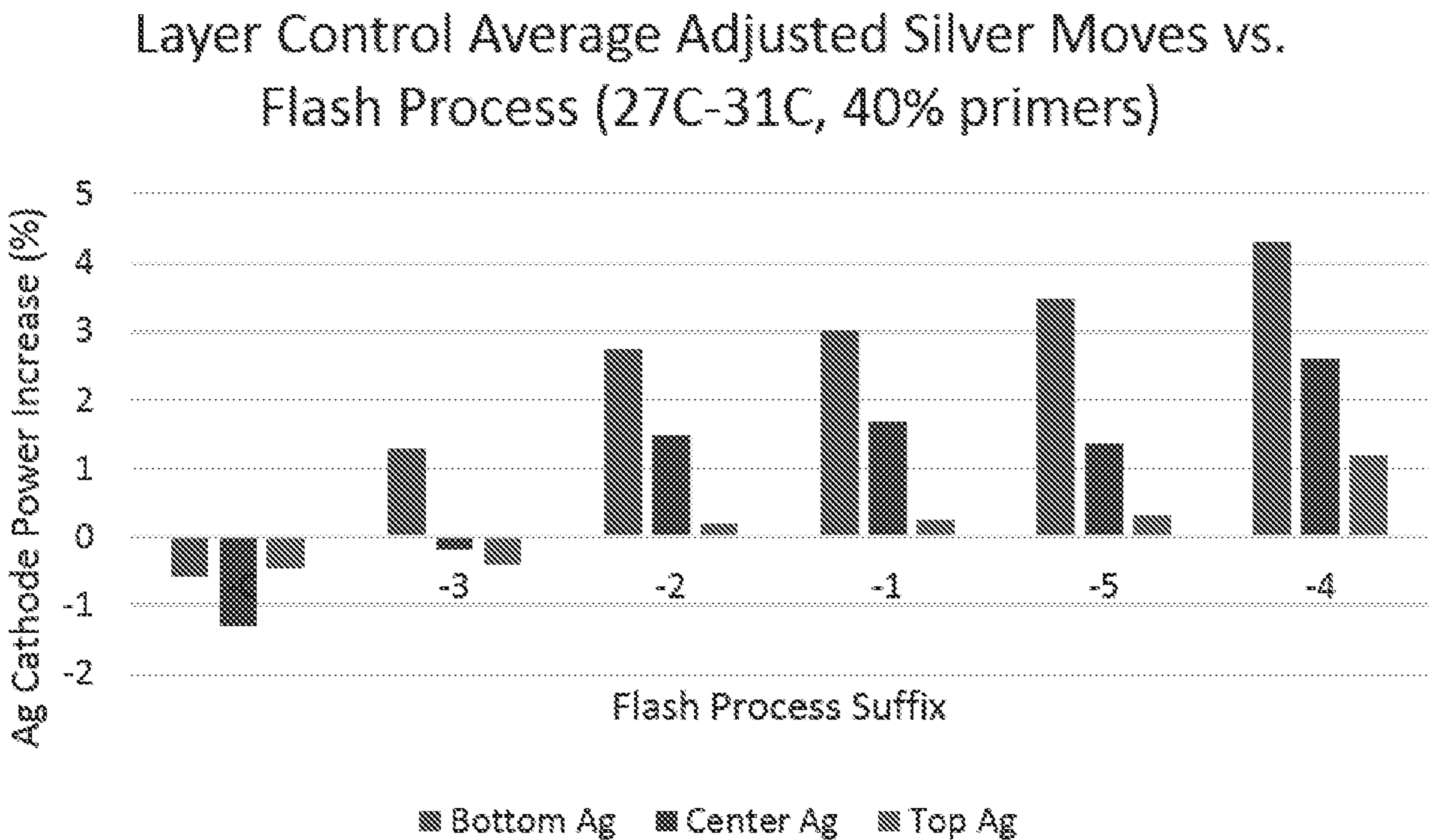


Fig. 19

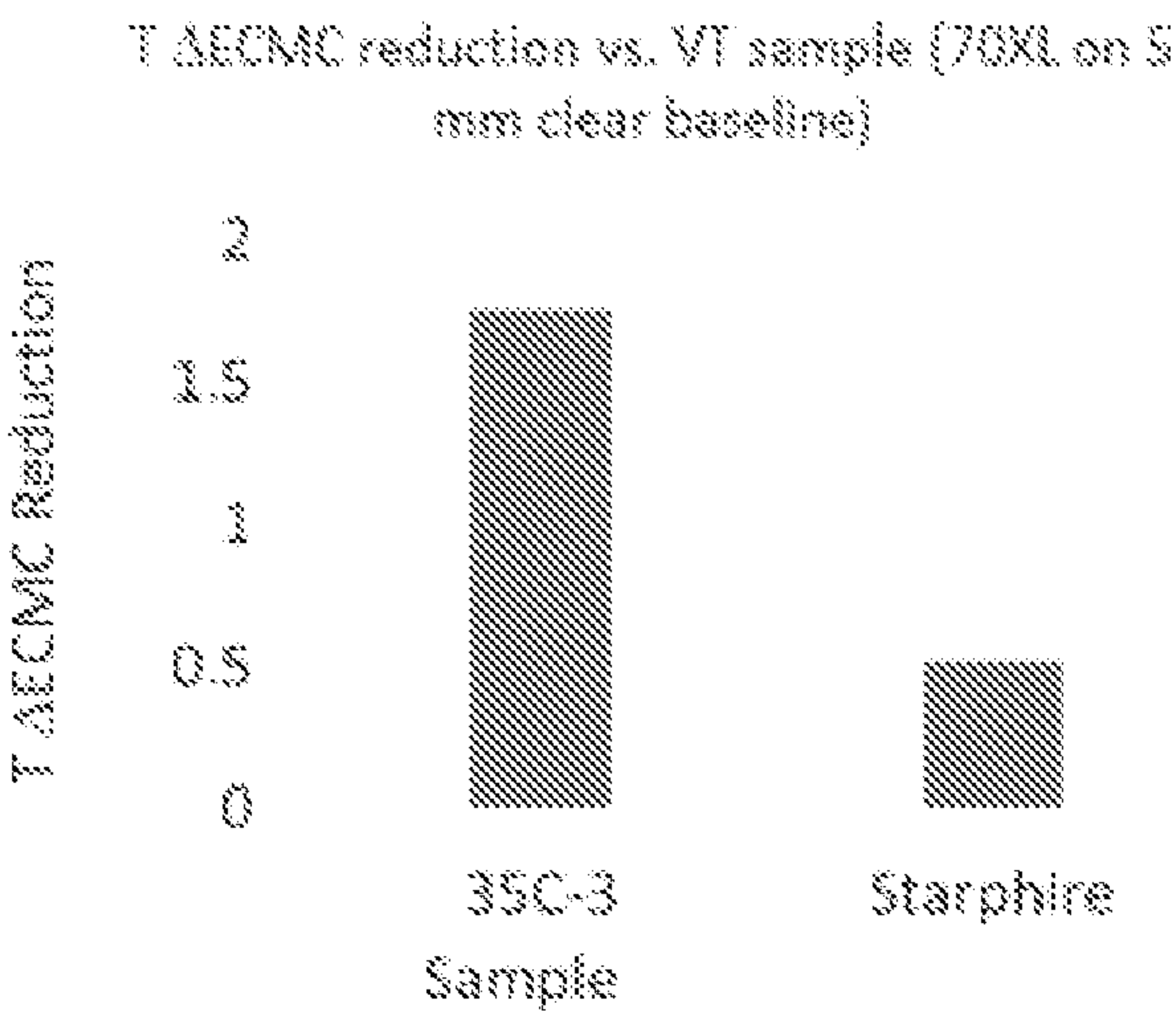


Fig. 20