

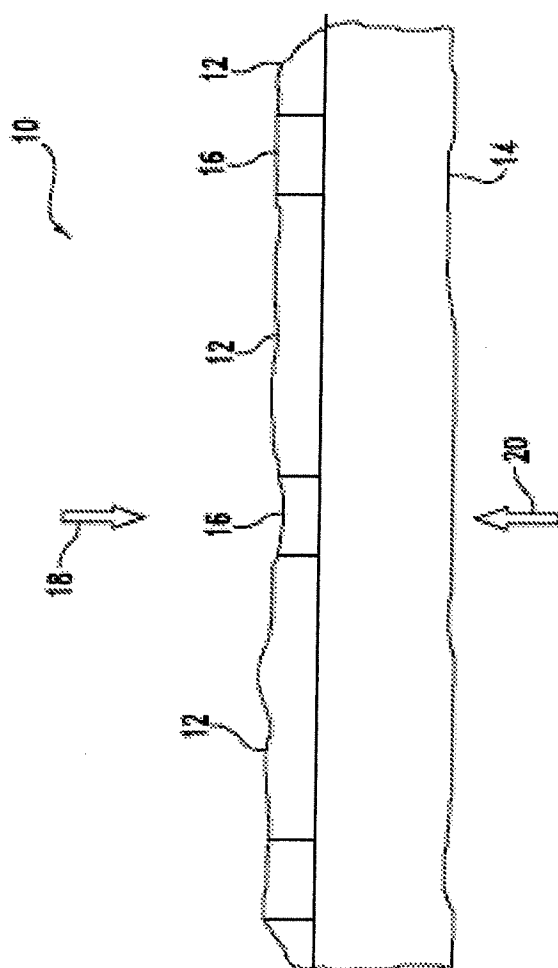


FIG. 1

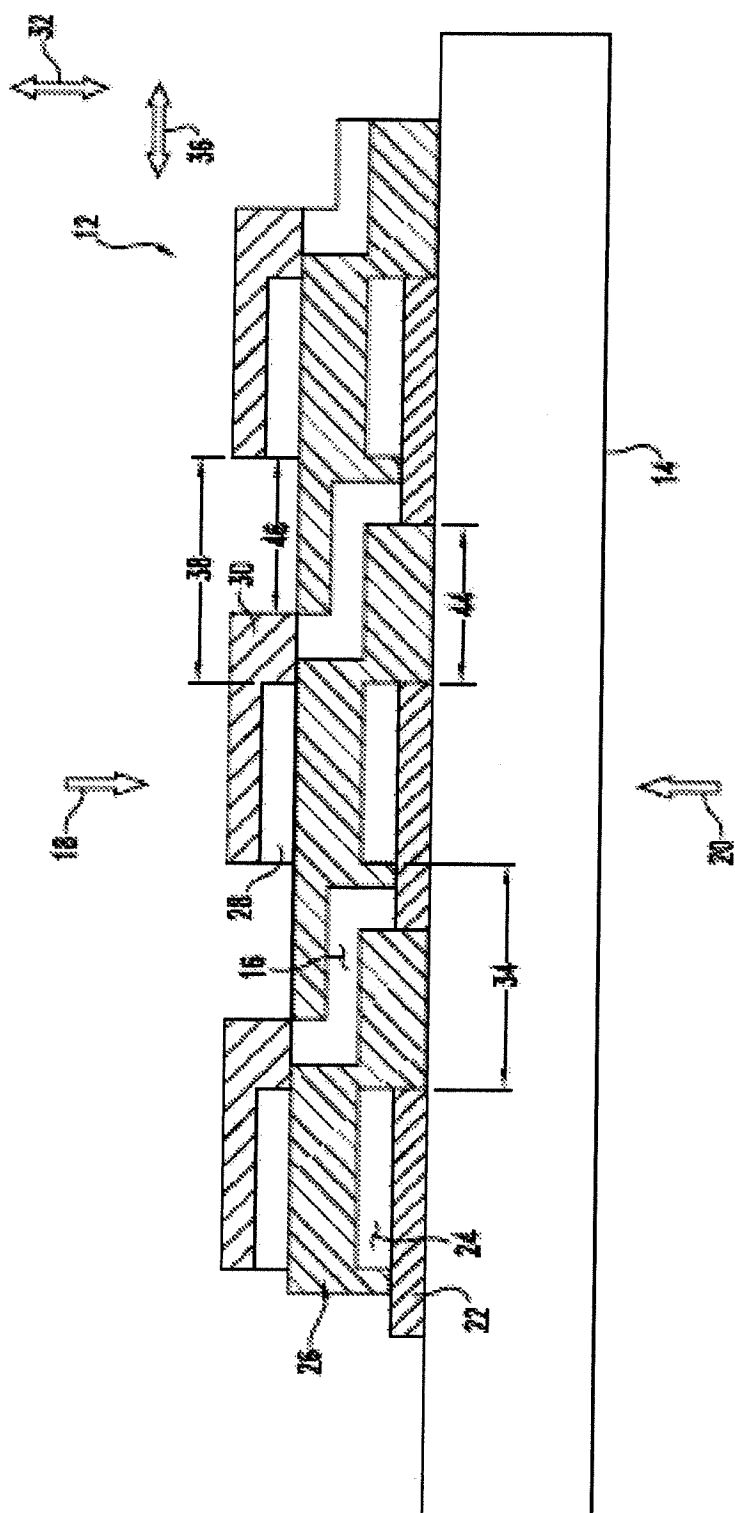


FIG. 2

PCT104_4x WDS Quantitative Analysis								
		CCC surface	CCC bulk	CCC/cath	cath bulk	cath/ele	ele bulk	degr, ASR/1000hrs
A1: LSM85-90:3YSZ	wt%	1.52	1.53	0.95	0.75	0.90	0.02	0.008
	at%	1.67	0.94	0.42	0.44	0.72	0.02	
A2: LSM85-90:10ScSZ	wt%	1.35	1.07	0.85	0.45	0.92	0.01	0.01
	at%	1.41	1.12	0.61	0.42	0.72	0.01	
B1: LSM80-98:10ScSZ	wt%	0.58	0.57	0.54	0.28	0.32	0.005	0.0005
	at%	0.61	0.56	0.56	0.25	0.27	0.004	
B2: LSM80-95:10ScSZ	wt%	0.65	0.64	0.60	0.36	0.66	0.001	-0.0001
	at%	0.59	0.67	0.67	0.31	0.55	0.001	
test condition: 900C, 4bar, 14.6%O2 wet								

FIG. 3

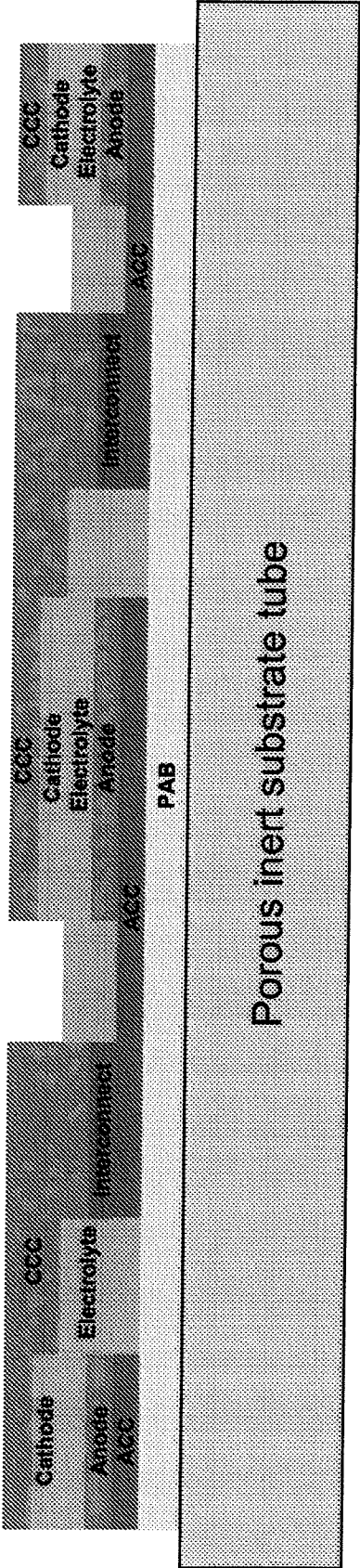


FIG. 4

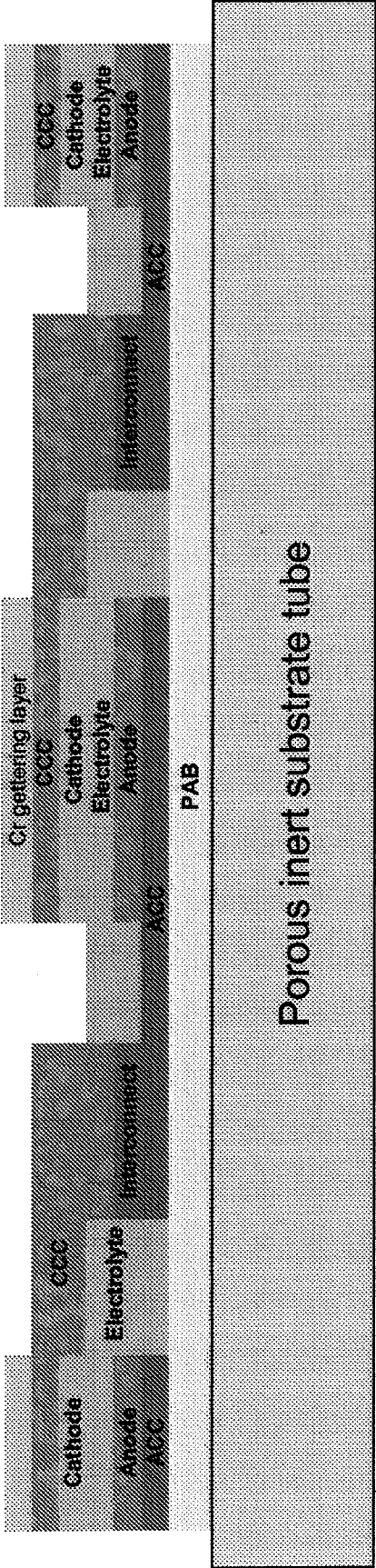


FIG. 5