

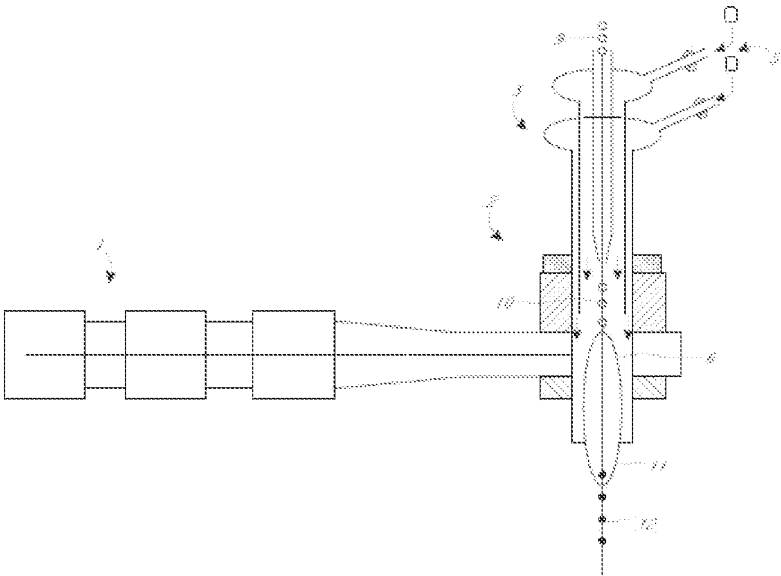


FIG. 1

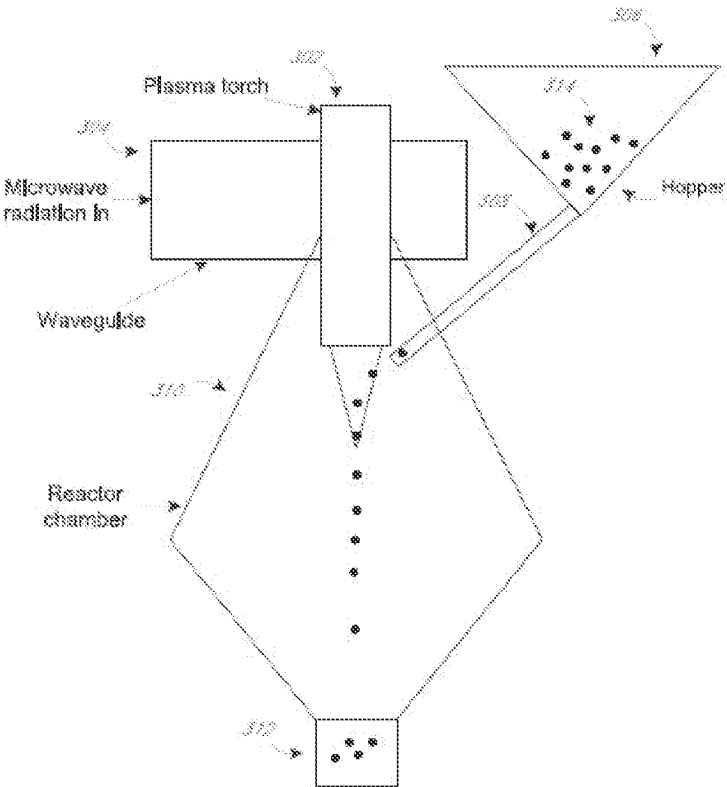


FIG. 2A

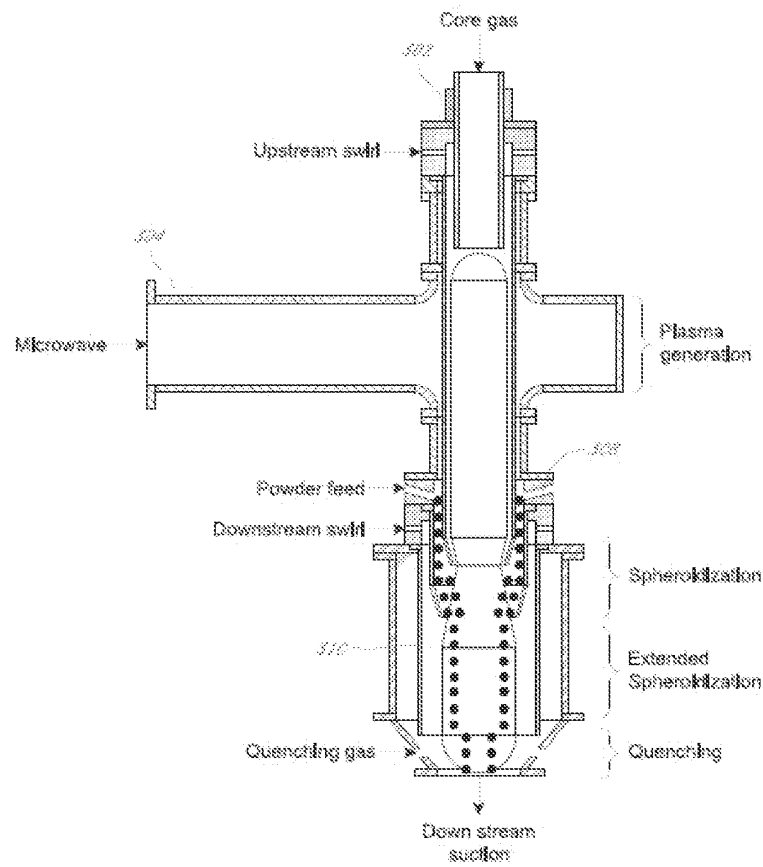


FIG. 2B

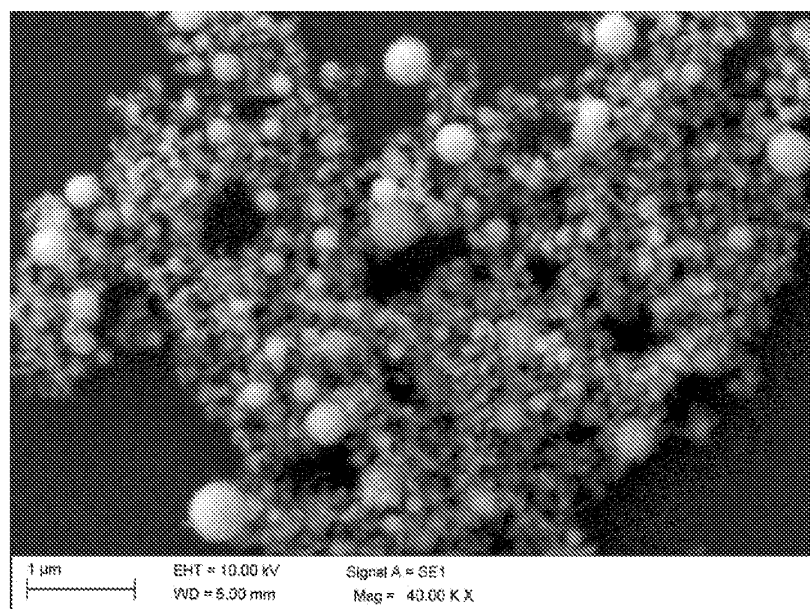


FIG. 3A

Phase	Wt%
Lanthanum zirconate	44
Lithium Carbonate	35
Lanthanum Aluminate	5.1
Lithium Aluminum Oxide	10
Dilanthanum Dioxide Carbonate	5.9

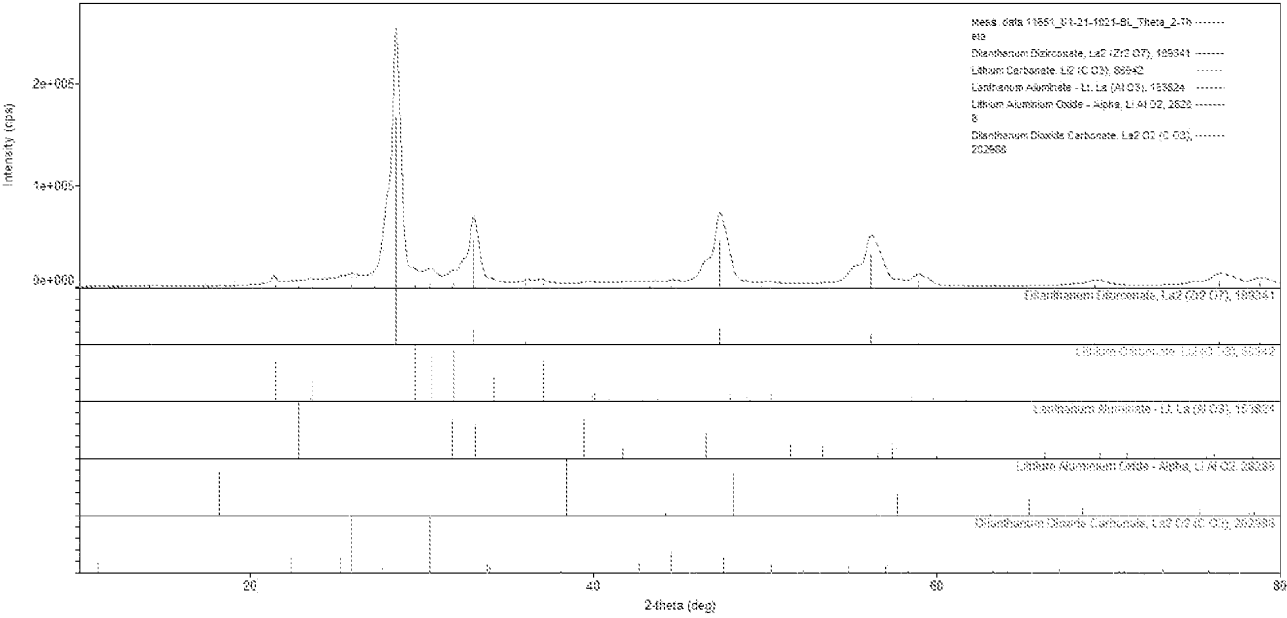


FIG. 3B

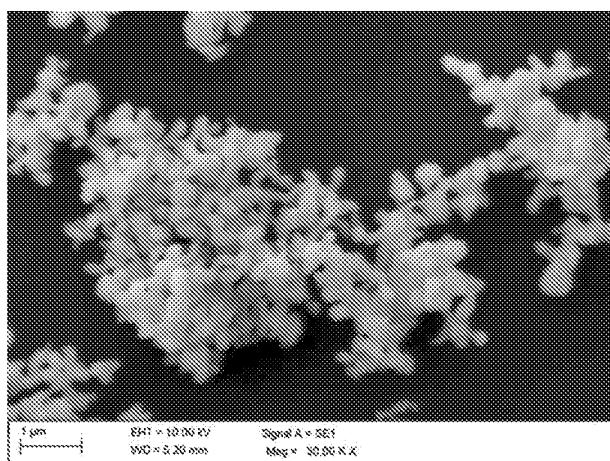


FIG. 4A

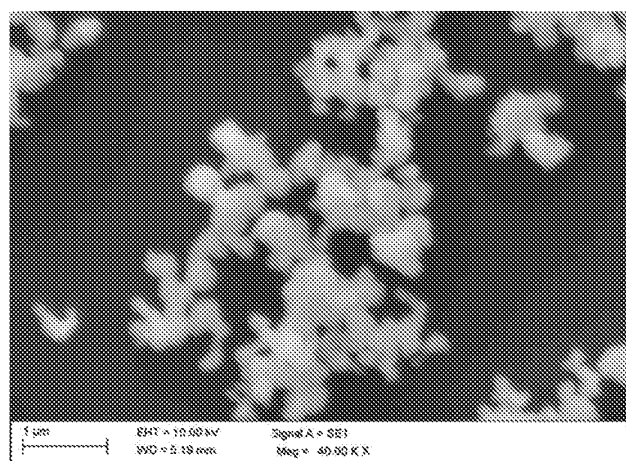


FIG. 4B

Phase	wt%
Cubic LLZO	85%
Lanthanum Zirconate	4%
Lanthanum Aluminum Oxide	6%
Lanthanum Lithium Aluminum Oxide	4%
Lanthanum Oxide Carbonate	1%

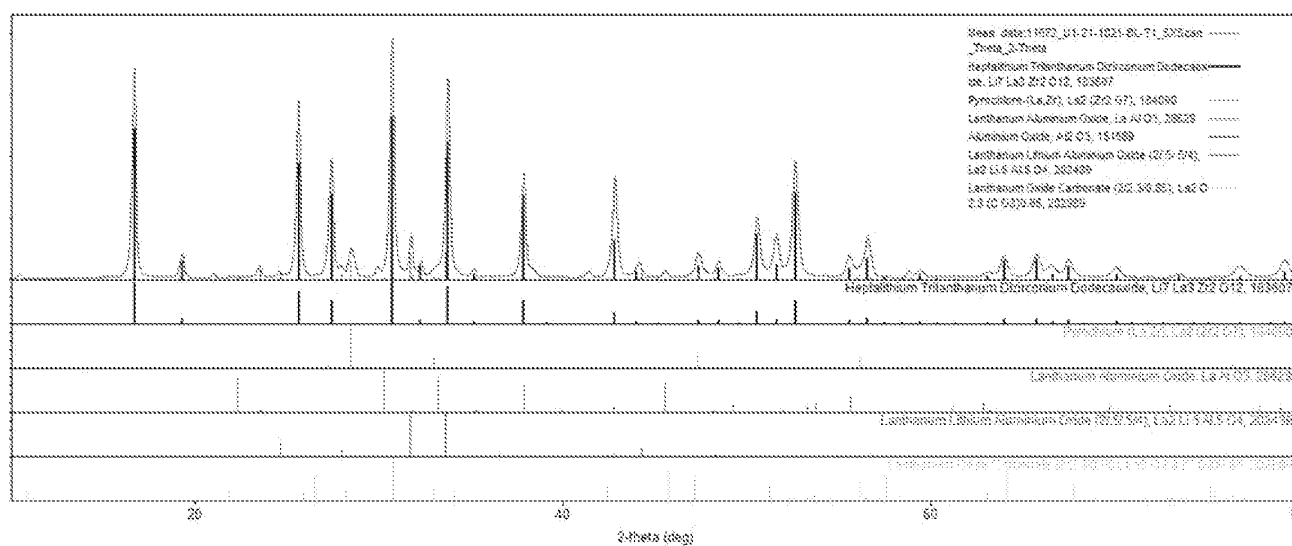


FIG. 4C

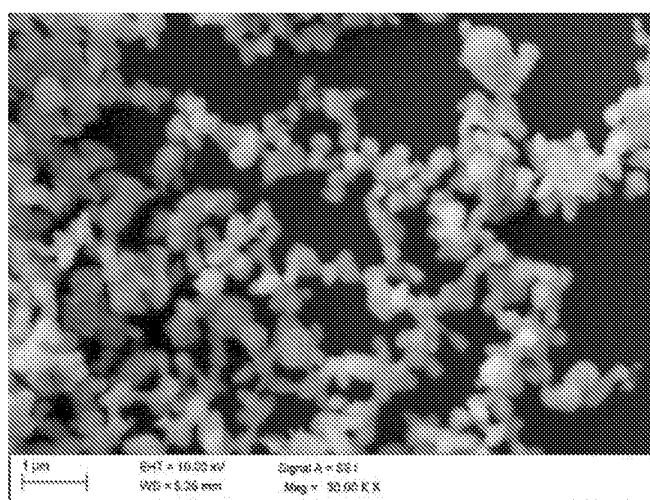


FIG. 5A

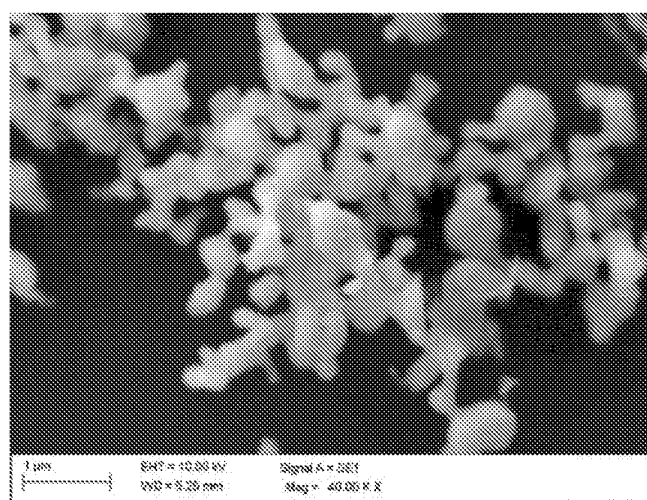


FIG. 5B

Phase	Wt%
Cubic LLZO	91%
Lanthanum Zirconate	4%
Lanthanum Aluminate	2%
Zirconium Oxide	3%

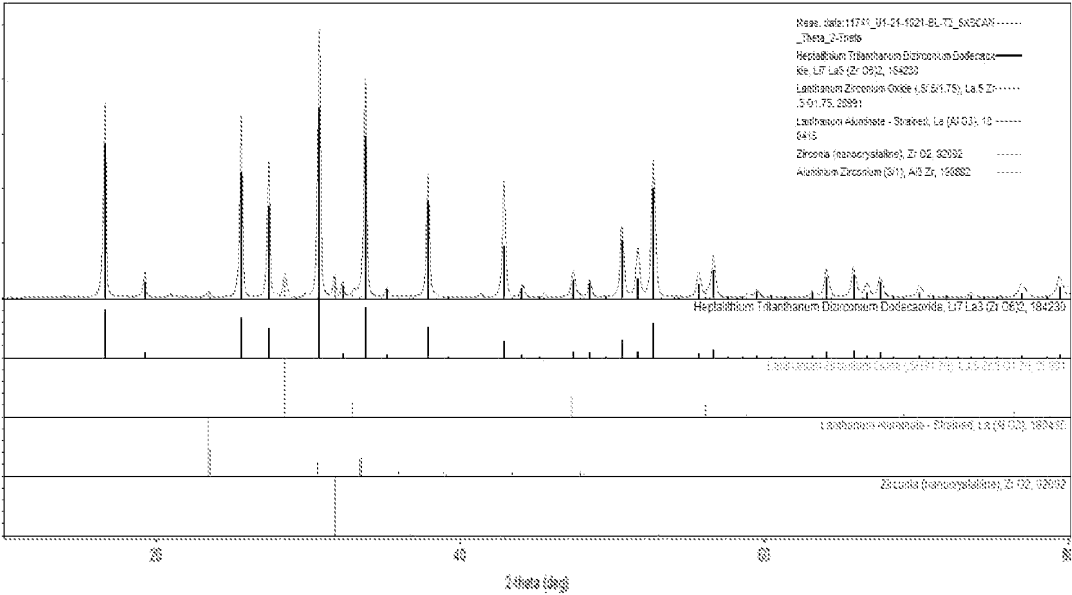


FIG. 5C

Property	Parameter	As Made	H2 Calcine	H2+O2 Calcine	Measurement Machine
Stoichiometry	Li	6.37			Agilent ICP-OES 5110
	La	3.00			
	Zr	2.06			
	Al	0.23			
Size (um)	d50	0.38	1.2	1.4	Malvern Mastersizer 3000
Phase (%)	Cubic LLZO	0	85	91	Rigaku Miniflex 600
	Lanthanum Zirconate	44	4	4	
	Lanthanum Aluminium Oxide	5.1	6	2	
	Lanthanum Lithium Aluminium Oxide	-	4	-	
	Lanthanum Oxide Carbonate	5.9	1	-	
	Lithium Carbonate	44	-	-	
	Lithium Aluminium Oxide	10	-	-	
	Zirconium Oxide	-	-	3	

FIG. 6