

Patents of Prof. Cheah's research group

	Patent Title	Country	Patent No.
1	Sapphire thin film coated flexible substrate	Hong Kong	HK 1240988B
2	Sapphire thin film coated flexible substrate	South Korea / Republic of Korea	KR 10-2090553
3	Sapphire thin film coated flexible substrate	Switzerland	EP 3191615
4	Sapphire thin film coated flexible substrate	Germany	EP 3191615
5	Sapphire thin film coated flexible substrate	European Procedure (Patents)	EP 3191615
6	Sapphire thin film coated flexible substrate	France	EP 3191615
7	Sapphire Thin Film Coated Substrate	Taiwan	I661066
8	Sapphire thin film coated flexible substrate	South Korea / Republic of Korea	KR 10-1972059
9	Sapphire Thin Film Coated Substrate	United States Of America	US10,227,689
10	Sapphire Thin Film Coated Substrate 藍寶石薄膜塗布基材	Taiwan	I 653266
11	Sapphire thin film coated flexible substrate 經藍寶石薄膜塗覆的可撓基板	China	ZL 201580052943.1
12	Nano Bi-material electromagnetic spectrum shifter	United States Of America	10,191,193
13	Sapphire thin film coated flexible substrate	Taiwan	I642552
14	Sapphire thin film coated flexible substrate	United States Of America	US 10072329
15	Sapphire Thin Film Coated Substrate	Taiwan	I 632243
16	Sapphire thin film coated flexible substrate	Japan	6351858
17	Sapphire Thin Film Coated Substrate	United States Of America	9,932,663
18	Tunable Amplified Spontaneous Emission (ASE) Laser	United States Of America	9,923,339
19	Sapphire Thin Film Coated Substrate	United States Of America	9,695,501
20	Organic Laser for Measurement	United States Of America	9,614,346
21	Fabrication of Highly-Flexible Near-Infrared Metamaterials	United States Of America	9,610,754
22	Sapphire thin film coated flexible substrate	Taiwan	I574840
23	Highly Flexible Near-Infrared Metamaterials	United States Of America	9,227,383
24	Silicon-based Ultra-violet LED	United States Of America	US 6,869,814B2
25	Silicon-based Ultra-violet LED	United States Of America	US 6,759,686B2