

US Granted Patents from SAIT

Country	Patent No.	Title	Grant date
US	12631572	Biomaterial detection sensor and method of manufacturing the same	2026-05-19
US	12623214	Gene amplification chip, apparatus for gene amplification, and apparatus for bio-particle analysis	2026-05-12
US	12540901	Apparatus for estimating concentration of biomarker, and electronic device including the same	2026-02-03
US	12471779	Blood vessel detection device and method therefor	2025-11-18
US	12220698	Microfluidic chip, and apparatus and method for detecting biomolecules	2025-02-11
US	12005447	Apparatus and method for bio-particle detection	2024-06-11
US	11913932	Apparatus and method for measuring gas concentration	2024-02-27
US	11673122	Gas sensor using metal oxide semiconducting nanofiber sensitized by alkali or alkaline earth metal and noble metal catalysts, and manufacturing method thereof	2023-06-13
US	11596322	Bio-signal measuring apparatus and bio-signal measuring method	2023-03-07
US	11419527	Apparatus and method for estimating blood concentration of analyte, and apparatus and method for generating model	2022-08-23
US	11412947	Bio-impedance measuring apparatus using half of upper body, body composition analyzing apparatus and body composition analyzing method	2022-08-16
US	11399749	Optical sensor, method of measuring optical signal, and apparatus for estimating blood concentration of analyte	2022-08-02
US	11374161	Actuator and soft robot	2022-06-28
US	11350878	Apparatus and method for estimating bio-information	2022-06-07
US	9657341	Microfluidic system for nucleic acid analysis	2017-05-23
US	9637733	Reagent supply device for analysis of nucleic acid	2017-05-02
US	9598726	Method for enhancing efficiency and sensitivity in nucleic acid amplification from biological materials using ionic liquids	2017-03-21
US	9321051	Microfluidic device and method of manufacturing the same	2016-04-26
US	9267618	Microvalve device and method of manufacturing the same	2016-02-23
US	9061277	Micro-fluid supplying device having gas bubble trapping function	2015-06-23
US	9044755	Gene analysis apparatus and gene analysis method using the same	2015-06-02
US	9044751	Gene analysis device	2015-06-02
US	8986986	Cell lysis device and methods of lysing cells or viruses	2015-03-24
US	8945484	Microfluidic device including microvalve	2015-02-03
US	8895297	Micro-device and methods for disrupting cells	2014-11-25
US	8859272	Micro-device and methods for disrupting cells	2014-10-14
US	8778282	Microfluidic device having microvalve	2014-07-15
US	8636033	Microfluidic device initialization method, microfluidic device initialization apparatus and microfluidic device package	2014-01-28
US	8444933	Microfluidic device and method of manufacturing the same	2013-05-21
US	8411277	Method and apparatus for controlling quality of a microfluidic device	2013-04-02