Research		Related Patents, Academic Papers and Awards
		- Amari, Yasufumi (2021a) Essence of Service: Comprehending Service from a Phenomenological Perspective, Oukan, 15(2), pp.57-73. (in Japanese)
1. Social Affairs Division	Scientific Clarification of Safety, Security, and Service	- Amari, Yasufumi (2021b) Essence of "ANSHIN," or "Peace of Mind": An "ANSHIN" Model Based on a Perspective in
		Phenomenological Philosophy of Science, Security Management, 34(3), pp.3-21. (in Japanese) - Yasufumi AMARI: Comprehending Security through Shannon's Communication Model, International Journal of
		<u>Affective Engineering, Vol.19, No.3, pp.177-187 (2020)</u> - Yasufumi AMARI: Exposing the "Essential Nature of Security" Through Communication Theory, JNSA Press, Vol.50,
		pp.3-7 (2021) (in Japanese)
		- Amari, Yasufumi (2018) The Essence of Security: The Goal that Medicine and Technology Should Pursue, Journal of information and management, 38(3), pp.40-52. (in Japanese)
		- Amari, Yasufumi (2020) System Constrution for Essence of Risk, Risk Engineering Research, Vol.16, pp.9-14 (2020), University of Tsukuba Graduate Admmisions
		JP.2019036035.A, JP.6679546.B2, A regional safety degree evaluation device and regional safety degree evaluating method
	Medication Support for the Elderly	JP.7299033.B2, The medicine-taking support system, a schedule setting device, an information processing method, and program
2. Service Engineering Division	Optimization of Surveillance Camera Locations	JP.6174968.B2, IMAGING APPARATUS AND SIMULATION APPARATUS
		JP.6429914.B2, The optimal location searching apparatus JP.7285105.B2, IMAGE GENERATING APPARATUS AND IMAGE GENERATING PROGRAM PRODUCT JP.7319069.B2, IMAGE GENERATING APPARATUS, IMAGE GENERATING PROGRAM, AND IMAGE GENERATION
		METHOD JP.7285100.B2, The installation support apparatus and installation support program
		JP.7285101.B2, The installation support apparatus and installation support program JP.7219653.B2, The installation support apparatus and installation support program
		JP.7311327.B2, The imaging simulation apparatus, simulation method, and computer program JP.7291013.B2, The camera layout evaluation apparatus, evaluation method, and computer program
		JP.7332363.B2, The camera layout evaluation apparatus, evaluation method, and computer program
	Engineering Design of Crowd Control Plans through Computer Simulation	JP.6679645.B2, To provide a simulator, a simulation method and a behavior determination apparatus JP.6679644.B2, To provide a simulator, a simulation method and a behavior determination apparatus JP.7074580.B2, Simulator, simulation method and simulation program
		JP.7060460.B2, Simulator, simulation method and simulation program Awards
		Akira Tsurushima, "Tunnel Vision Hypothesis Cognitive Factor Affecting Crowd Evacuation Decisions", Springer Nature Computer Science, Volume 3, article number 332, June 2022, https://doi.org/10.1007/s42979-022-01217-7, Tunnel Vision
		Hypothesis: Cognitive Factor Affecting Crowd Evacuation Decisions SN Computer Science (springer.com) JP.6396355.B2, The terminal owner DETECTION SYSTEM
	Location Identification of Mobile Phone Caller	JP.7112936.B2, The terminal ownerDETECTION SYSTEM, the terminal owner DETECTION METHOD, AND COMPUTER-READABLE STORAGE MEDIUM
		JP.7381263.B2, A detection system and method JP.2022129784.A, The visibility condition determining device and the terminal owner DETECTION SYSTEM
	Action Recognition Technology using Radar and Acoustic Sensors	JP.6412458.B2, ULTRASONIC SENSOR JP.6716620.B2, The sensor device and the displacement determining system
		JP.6716621.B2, The object determination apparatus and sensor apparatus JP.6754793.B2, The sensor device and the displacement determining system
		JP.6716618.B2, Acoustic wave synthesis apparatus JP.7317684.B2, The mobile information processing device, and imaging system
	Collaboration of Fixed Cameras and Robot Vision	JP.7437930.B2, MOVING BODY AND IMAGING SYSTEM International standardization activities
		 IETF (Internet Engineering Task Force) TEEP (Trusted Execution Environment Provisioning) Working Group tamproto (opensouce project)
		- libteep (opensource project) - IETF SUIT (Software Updates for Internet of Things) Working Group
		- SUIT Manifest Extensions for Multiple Trust Domains (RFC:Request For Comments, draft) - Encrypted Payloads in SUIT Manifests (RFC draft)
		- libcsuit (opensouce project)
		Collaboration - SECOM, SECOM Trust Systems, and Renesas have initiated a collaboration to develop a secure IoT security platform,
		SECOM Co., Ltd. press release, April 11, 2017 - Secure Open Architecture Edge Infrastructure Technology Research Association (TRASIO)
		Awards - Encrypted Firmware Delivery Using IETF SUIT Encrypted Payloads and Multiple Trust Domains, OWS Research Awards,
		OSS Security Workshop (OWS) on Computer Security Symposium (CSS) 2023 - Software Updates for Internet of Things (SUIT) Project, The Best Project Award, IETF103 Hackathon, 2019
4. Digital Platform Division		JP.5843552.B2, The information flow control program
		JP.5806630.B2, Application inspection system JP.5851311.B2, The application testing device
	Advanced Research to Protect Information Assets against Emerging Cybersecurity Threats	JP.6219621.B2, Communication COLLATION APPARATUS JP.6467473.B2, The application testing device
		Awards - International Workshop Security (IWSEC) 2021 Best Paper Award, Hiroki Kuzuno, Toshihiro Yamauchi, KPRM: Kernel Page Restriction Mechanism to Prevent Kernel Memory Corruption
		- 20th Forum on Information Technology (FIT2021) FIT Paper Awards, Hiroki Kuzuno, Toshihiro Yamauchi, Tracking and Specific Method Proposal and Evaluation for Kernel Code Used by Attacker User Processes
		- 19th Forum on Information Technology (FIT2020) FIT Paper Awards, Hiroki Kuzuno, Toshihiro Yamauchi, Evaluation of Exclusive Page Reference Mechanism Capability for Kernel Data
		- 18th Forum on Information Technology (FIT2019) FIT Paper Awards, Hiroki Kuzuno, Toshihiro Yamauchi, Kernel Virtual Memory Switching Protection for Illegal Memory Corruption via Kernel Vulnerability
		- Computer Security Symposium (CSS) 2018 CSS Awards for Paper Excellence, Hiroki Kuzuno, Toshihiro Yamauchi, Kernel Module Monitoring Technique Using Custom Kernel Virtual Memory Space The Oth Asia Jaint Conference on Information Security (Asia ICIS 2014) Boot Baney Award, Hiroki Kuzuna, Kaniahi
		- The 9th Asia Joint Conference on Information Security (AsiaJCIS 2014) Best Paper Award, Hiroki Kuzuno, Kenichi Magata, Detecting Advertisement Module Network Behavior with Graph Modeling
	Privacy-Preserving Attribute Authentication Scheme by Using Zero-knowledge Proofs	- Computer Security Syimposium (CSS) 2023 The Best Demonstration Award, Keisuke Hasegawa, Kazuki Zemba, Privacy-Preserved Authentication Using Verifiable Credentials and zk-SNARK (in Japanese)
		- International Blockchain Hackathon "Move Hackathon", Finalist, 4th Prize, 2023 - Japan Resilience Awards 2023 Award for Exellence, Safety Awareness Activities by SECOM, Association for Resilience
External Awards		Japan - The 19th Information Security Culture Award, Yasushi Matsumoto, 2023
		- PWS Cup 2021 Winner in the Anonymous Processing Category and second-place in the Overall Category