

# Creating Unique Products by Fusing Analog and Digital Technologies

MegaChips meets customers' needs based on its proprietary technologies and put all its effort into the research and development of application technologies to distinguish its products from those of competitors. To ensure our superiority and uniqueness through research and development, we promote the protection of our own intellectual property rights.

<b>R&amp;D Policy</b>	Provide system LSIs and solutions with our unique analog and digital technologies
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## Major Achievements in R&D for FY2020

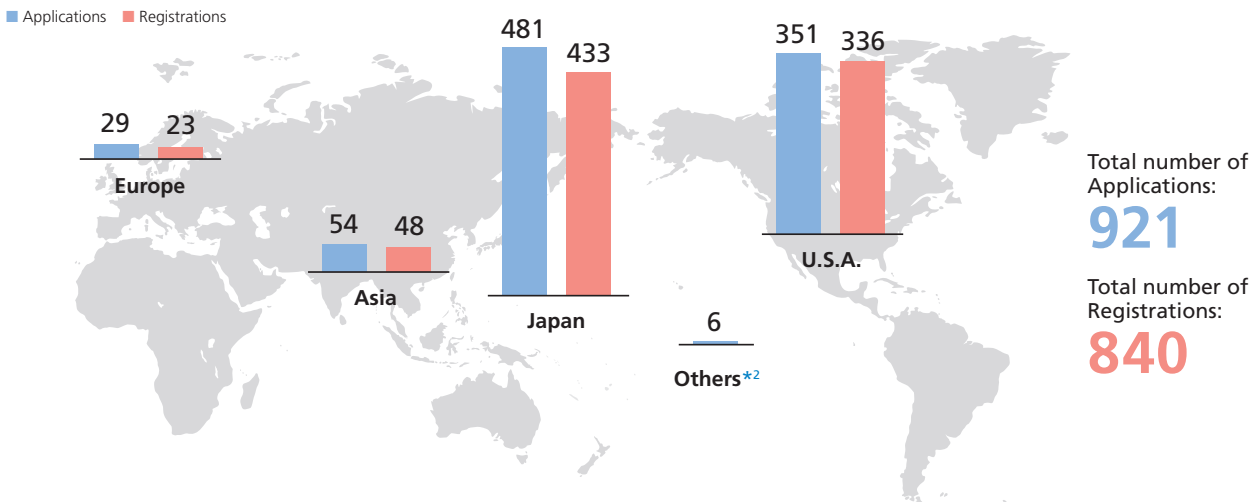
Game software storage LSI	LSI for in-vehicle high speed wired communications
Intellectual property core and LSIs for optical communications	Support development of optical transceivers for 5G base stations and metro core networks
LSI for wired (twisted pair cable, coaxial cable, power cable) multi-hop communications	

## Intellectual Property Strategy

Since MegaChips is a fabless manufacturer, our unique ideas, expertise, and other intellectual properties derived from R&D activities constitute the foundation of our competitive advantage. Accordingly, protecting our intellectual property rights will lead to greater competitiveness and growth potential.

In FY2020, the Company filed patent applications such as performance improvement technology in high-speed wired communications, clock recovery technology in high-speed wired communications, reliability enhancement technology for memory in game consoles, and LED driver control technology. A patent application was also submitted for application technology for game consoles, security technology for IoT devices and motion control for IoT devices.

## Patent Applications and Registrations by Region\*1



\*1 The number of cases shown are the cumulative total as of the end of March 2021.

\*2 "Others" denotes the number of applications for patents that are valid under international patent treaties in multiple countries where MegaChips may begin operations in the future.