KAILAS
ROBOTICS

Kailas Robotics has obtained a fundamental patent for a 6-axis robotic arm for moving platforms

April 22, 2024, Saitama, Japan-
Kailas Robotics, a developer of compact and high-performance robotic arms, announces the acquisition of the fundamental patent technology titled "Robotic Arm and Unmanned Aerial Vehicle Equipped with the Same" (hereinafter referred to as "the Invention").

Historically, robotic arms were developed on the assumption that their base and pivot point would remain stationary, and they were mostly large-scale. Our robotic arm, designed from the ground up using advanced SoC (System on Chip) based on FPGA (Field Programmable Gate Array), achieves miniaturization and incorporates core technology that ensures reliable grasping of targets even when the base pivot point is in motion.

Patent Details
- Patent Number: JP7471705B2
- Registration Date: March 22, 2024
- Patent Holder: Kailas Robotics Inc.
- Title of Invention: Robotic Arm and Unmanned Aerial Vehicle Equipped with the Same

Future Outlook
With the application of this invention, it becomes possible to install robotic arms on moving platforms, enabling robots to operate beyond the constraints of a fixed base. In advanced nations, where labor shortages and hazardous work environments are prevalent, collaboration with robots is essential. Our robotic arm represents a core technology in this field. While we are currently developing robotic arms for drones, our future plans include optimizing control systems and actuators for UGVs, humanoid robots, and prosthetic limbs. Kailas Robotics will continue to apply for patents, advancing our intellectual property strategy focused on customer value to enhance unique functions exclusive to our company and achieve sustained corporate value growth.

About Kailas Robotics Inc.
Kailas Robotics' robotic arms are developed based on cutting-edge SoC (System on Chip) and designed from FPGA (Field Programmable Gate Array), achieving miniaturization. The core technology involves a gripping technique that ensures the arm can securely grasp objects even when the pivot moves. The company develops innovative arms essential for various robots, optimizing control systems and actuators for drones, UGVs, humanoids, and prosthetic hands.

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