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Major Operating Officer

Toward Top Performance

Technological advancement regarding energy conservation, natural energy, and efficient use of energy is remarkable all over the world in recent years. Within that, one of the most important technologies to use the energy efficiently is electricity conversion/equalization technology. In the automobile industry, movement shifting toward hybrid and electrical automobile is accelerating. Along with making the automobile run on electricity, related electrical conversion technologies, such as battery technologies and quick charging technologies, are also advancing, which makes me believe that fields that uses our time-tested electricity conversion technology will expand even more in coming age.

In the field of natural energy use, we are developing power conditioner for the photovoltaic power generation. Power conditioner is constructed on technology to efficiently covert the direct current electricity generated by the photovoltaic panel to alternating current electricity with loss as small as possible. Photovoltaic power generation is expanding not only in Japan, but world-wide with support by governments of various countries. Along with the conventional wind-power generation, sales of the household version of fuel cell has started, making us believe that the electrical power network control technologies will advance rapidly with various power generation formats. We also think that electrical energy technology will coexist with the Earth environment, and advance in direction to optimize the balance of supply and demand.

Electric power for factories and mechanical facilities of the industry are being watched. For example, with the conversion technologies utilizing the batteries and capacitors, the instantaneous drop of voltage while the facilities are operating is compensated, and the instantaneous power peak is averaged out. Furthermore, efficient usage of energy at the factories is being active by reusing the regeneration energy of the motor as a drive power. Technologies to control the energy and use it efficiently are required in all the fields of industries. These are mostly the technological fields our power system products are bearing.

In the product fields based on motor and motor control technologies, as with our cooling system products and servo system products, the requirements of low power consumption products are increasing. As an example, multiple numbers of cooling fans are used in the computer servers that are getting larger in the volume and higher in speed. Therefore, it is important to enhance the performance and reducing the power consumption for each of the fans. We have been developing low power consumption fans for long time, and we are increasing the lineup of the products. We are challenging low power consumption as a critical technology for product development in the field of motor too. We are also developing technologies and products aiming for small and light, higher performance and accuracy, high efficiency, long life, compounding, and enhancement of safety.

For our company, technologies of product development are at the most important position of our business. As a corporate under environment of daily race for the product performance, technology development race is normal activity for survival and continuation of the business, and if we do not challenge to be the top, we will not even make the second place.

We are always aiming to have the top performance for the product development, and trying to be the top is the most important target of our corporate activity.

This is the milestone of our technology and product development, and this is the 29th edition, introducing new technologies and new products. We believe that these technologies and products will maintain the Earth environment and efficiently use the limited energy. We would sincerely appreciate your understanding and support toward our company' s continuous challenge to develop products and technologies for the top performance.