

Fundamental Patent related to Base Editing Granted in Europe

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Bio Palette Co., Ltd. (Head Office: Nada-ku, Kobe City, Representative Director: Dr. Shoko Murase) has received licenses for several patent-pending base editing technologies of Kobe University, and is now cooperating with the university to acquire the rights for these patents. We are pleased to inform you that, among the patents filed internationally, a patent has been granted in Europe to a basic invention related to base editing. (Publication Number: EP 3115457)

The patent has been granted for the base editing technology (genome editing technology) developed through the research of Professors Keiji Nishida and Akihiko Kondo at the Graduate School of Science, Technology and Innovation, Kobe University, in which a single base can be replaced without the need for breaking double-stranded DNA. This technology had already been patented in Japan (Patent Numbers: Japanese Patent Nos. 6206893 and 6462069) and Singapore (Patent Number: 11201609211V) before its approval in Europe. Base editing, also known as “Kiranai Genome Henshu[®]” (Japanese registered trademark; a genome editing technique that does not cleave the DNA), is expected to be applied to a wide range of fields such as therapeutics, agriculture, microbes and more, as a technology which enables precise and accurate genome editing.

Bio Palette concluded an exclusive cross-licensing agreement with Beam Therapeutics in May 2019 as a strategic partnership on genome editing technologies, including the technology explained above. The partnership is an initiative to commercialize microbiome therapeutics through in-house development. In other fields, Bio Palette is also promoting business development with a view to forming alliances and further partnerships with external companies.

Bio Palette will make full use of the patent rights to accelerate its global business development, continuing to promote, together with Kobe University, the acquisition of patent rights for other patent-pending base editing technologies licensed to the company, with the goal of making a robust patent portfolio as the foundation of the company’s business.

Title of invention: Genomic Sequence Modification Method for Specifically Converting
Nucleic Acid Bases of Targeted DNA Sequence, and Molecular Complex
for Use in Same

International application number: PCT/JP2015/056436

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Applicant: National University Corporation Kobe University

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