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(54) **BRIDGE CONVERTER AND METHOD OF CONTROLLING THE SAME**

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(71) Applicant: **DELTA ELECTRONICS, INC.**,  
Taoyuan City (TW)

(72) Inventors: **Shang-Kay YANG**, Taoyuan City (TW);  
**Hsien-Kai WANG**, Taoyuan City (TW);  
**Yen-Wei LIN**, Taoyuan City (TW)

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(57) **ABSTRACT**

A bridge converter converts an input voltage into an output voltage, and includes a switching circuit, a transformer, a rectifying circuit, and a control module. The switching circuit includes a first switch and a second switch. The control module sets a first time period and a second time period. The control module provides a first control signal and a second control signal to control the switching circuit based on the output voltage. The control module fixes an operation frequency of the first control signal and the second control signal at the maximum frequency based on that the control module is set in a standby mode, and provides the first control signal and the second control signal in the first time period, and shields the first control signal and the second control signal in the second time period.

