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Grenoble (FR)(51) **Int. Cl.**
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CPC **H02M 3/158** (2013.01)(21) Appl. No.: **17/661,361**(57) **ABSTRACT**(22) Filed: **Apr. 29, 2022**

The present disclosure relates to a switched-mode Power Supply Buck Converter comprising: a switch connected between a node receiving a supply potential and an internal node; another switch connected between the internal node and a node receiving a reference potential; an inductive element coupling the internal node to an output node; and a control circuit controlling the switches so that current pulses in the inductive element have a maximum value selected from among at least a first value and a second value based on an average current drawn at the output node.

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