

Title (en)
PRIMARY-PULSED SWITCHING POWER SUPPLY

Title (de)
PRIMÄRGETAKTETES SCHALTNETZEIL

Title (fr)
ALIMENTATION À DÉCOUPAGE À CADENCE PRIMAIRE

Publication
EP 3631958 A1 20200408 (DE)

Application
EP 18724217 A 20180509

Priority
• DE 102017111431 A 20170524
• EP 2018062059 W 20180509

Abstract (en)
[origin: WO2018215215A1] The invention relates to a primary-pulsed switching power supply (1) for converting an input voltage (U_e) into an output voltage (U_a), at least comprising: a primary-side circuit branch (2) to which the input voltage (U_e) can be applied; - a secondary-side circuit branch (4) which is separated from the primary-side circuit branch (2) and from which the output voltage (U_a) can be tapped; - a galvanic isolation (3) between the primary-side and the secondary-side circuit branch (4); - a fuse (5) which is arranged in the primary-side circuit branch (2) in order to switch the primary-side circuit branch (2) in a substantially voltage-free manner; - a first switchable switch element (6) which is arranged in the primary-side circuit branch (2) such that the switch element triggers the primary-side fuse (5) upon being switched; and - a monitoring unit (7) which is connected to the first switch element, is arranged in the primary-side circuit branch (2), is designed to monitor a characteristic electric signal determined by the second primary coil (11), and switches the first switch element (6) when a threshold is exceeded.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
See references of WO 2018215215A1

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