

Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTER

Title (fr)
DISJONCTEUR

Publication
EP 4160649 A1 20230405 (EN)

Application
EP 22198429 A 20220928

Priority
CN 202111160047 A 20210930

Abstract (en)
A circuit breaker is disclosed that comprises: a frame; a breaker main body configured to connect and disconnect the circuit; a sensor connected to the breaker main body and configured to collect state parameters of the breaker main body; and a data processing module detachably mounted on the frame and electrically connected to the sensor, wherein the data processing module is configured to process state parameters collected by the sensor and output processed state parameters to a device outside the circuit breaker. The circuit breaker described here implements the full digital function and outputs state parameters of the circuit breaker in real time for use by the users. By a multi-dimensional operation monitoring, the management of the health condition of the circuit breaker is implemented, continuity and reliability of the operations are promoted, the maintenance cycle is extended, and the maintenance cost is reduced.

IPC 8 full level
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Citation (search report)
• [X] US 2017047181 A1 20170216 - YANG HE [CN], et al
• [I] US 2020194191 A1 20200618 - ASHTEKAR KOUSTUBH DNYANDEO [US]
• [Y] US 6286377 B1 20010911 - BENKE JAMES J [US], et al
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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