

Title (en)  
CURRENT PROTECTION APPARATUS AND METHOD

Title (de)  
STROMSCHUTZVORRICHTUNG UND -VERFAHREN

Title (fr)  
APPAREIL ET PROCEDE DE PROTECTION DE COURANT

Publication  
**EP 1766745 A4 20101020 (EN)**

Application  
**EP 05758587 A 20050613**

Priority  

- US 2005020842 W 20050613
- US 87085304 A 20040616
- US 87062104 A 20040616

Abstract (en)  
[origin: WO2006009672A1] A current protection apparatus (200) and current protection method (1000) that may include programmable current protection characteristics has been disclosed. A current protection apparatus (200) may include a power distribution unit (230) with power distribution outlets (PDO-1 to PDO-8), each having a corresponding circuit breaker unit (CB1 to CB8). Each circuit breaker unit (CB1 to CB8) may operate in response to a processing unit (236) that can sample current values flowing between a respective power distribution outlet (PDO-1 to PDO-8) and a load device (LD1 to LD8). Processing unit (236) may operate under control of software stored on a memory (238) to control a switching circuit (320). Current protection characteristics for each circuit breaker unit may be independently programmed and/or altered by a user, for example by way of a computer (250). In this way, each power distribution outlet (PDO-1 to PDO8) may have current rating characteristics independently provided for a particular load device (LD1 to LD8).

IPC 8 full level  
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CPC (source: EP KR)  
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Citation (search report)  

- [X] FR 2688951 A1 19930924 - MERLIN GERIN [FR]
- [X] FR 2538177 A1 19840622 - MERLIN GERIN [FR]
- [X] US 2004070275 A1 20040415 - NIV NEHEMIA [IL]
- See references of WO 2006009672A1

Cited by  
CN104393495A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2006009672 A1 20060126**; CA 2570466 A1 20060126; EP 1766745 A1 20070328; EP 1766745 A4 20101020; KR 20070034058 A 20070327; TW 200605464 A 20060201

DOCDB simple family (application)  
**US 2005020842 W 20050613**; CA 2570466 A 20050613; EP 05758587 A 20050613; KR 20077000955 A 20070115; TW 94116800 A 20050523