

Title (en)  
CURRENT TRANSFORMER FOR A PROTECTIVE SWITCH

Publication  
**EP 0222687 B1 19910102 (DE)**

Application  
**EP 86730166 A 19861020**

Priority  
US 79656285 A 19851108

Abstract (en)  
[origin: US4630018A] A current transformer is provided for the electronic trip unit of a molded case circuit breaker. The current transformer has a core with a winding encoiled about the core and a bus spiraled about the core. The spiral bus establishes a current path from one end of the bus to the other which will conduct current through the core in a spiral fashion. The spiral bus design effectively rotates the bus 90 degrees achieving a narrow transformer design which fits into the electronic trip unit without increasing the width of the trip unit.

IPC 1-7  
**H01F 40/06**

IPC 8 full level  
**H01F 19/00** (2006.01); **H01F 27/02** (2006.01); **H01F 38/30** (2006.01)

CPC (source: EP US)  
**H01F 19/00** (2013.01 - EP US); **H01F 27/027** (2013.01 - EP US); **H01F 38/30** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**US 4630018 A 19861216**; AU 580941 B2 19890202; AU 6491086 A 19870514; BR 8605527 A 19870811; CA 1265217 A 19900130; DE 3676446 D1 19910207; EP 0222687 A2 19870520; EP 0222687 A3 19871216; EP 0222687 B1 19910102

DOCDB simple family (application)  
**US 79656285 A 19851108**; AU 6491086 A 19861107; BR 8605527 A 19861107; CA 510930 A 19860605; DE 3676446 T 19861020; EP 86730166 A 19861020