

Title (en)  
Current transformer for power supply and method for manufacturing the same

Title (de)  
Stromwandler für Netzteil und Herstellungsverfahren dafür

Title (fr)  
Transformateur de courant pour alimentation électrique et son procédé de fabrication

Publication  
**EP 2015320 A1 20090114 (EN)**

Application  
**EP 08011709 A 20080627**

Priority  
KR 20070070281 A 20070712

Abstract (en)  
Disclosed are a current transformer for power supply, and a method for manufacturing the same. The current transformer for power supply comprises: a first core formed of a magnetic substance, and having a loop shape with a gap at one side thereof; and a supporting core formed of a magnetic substance, and disposed at one or more sides of the first core so as to block the gap. Accordingly, power supply can be smoothly performed at a small current region, and a power supply subject is prevented from being damaged at a large current region. Furthermore, the number of turns of a coil can be reduced, and an entire size of the current transformer for power supply can be made to be small.

IPC 8 full level  
**H01F 3/12** (2006.01); **H01F 3/14** (2006.01); **H01F 38/30** (2006.01)

CPC (source: EP KR)  
**H01F 3/12** (2013.01 - EP); **H01F 3/14** (2013.01 - EP); **H01F 38/28** (2013.01 - KR); **H01F 38/30** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)  
DE ES FR GB IT

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 08011709 A 20080627**; CN 200810133526 A 20080711; ES 08011709 T 20080627; KR 20070070281 A 20070712; MY PI20082521 A 20080708; RU 2008128354 A 20080711