

Title (en)
ACTIVE CURRENT TRANSFORMER

Publication
EP 0144347 B1 19861105 (DE)

Application
EP 84901762 A 19840427

Priority
DE 3318749 A 19830524

Abstract (en)
[origin: WO8404849A1] The current transformer provided with a primary winding (1), a secondary winding (2) and a detector winding (3) has a rigid coupling between the secondary winding (2) and the detector winding (3), and yet the coupling coefficient between those windings (2, 3) and the primary winding (1) is well under one, since only a portion of the magnetic flux Φ generated by the current I_1 to be measured in the primary winding (1) is detected by the detector winding (3). This partial flux Φ is compensated by the flux produced by means of a regulating amplifier arranged in the secondary winding (2).

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H01F 40/06

IPC 8 full level
H01F 38/28 (2006.01); **H01F 27/42** (2006.01)

CPC (source: EP US)
H01F 27/427 (2013.01 - EP US)

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Cited by
EP0335511A1

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DE 3318749 A1 19841129; DE 3318749 C2 19850328; DE 3461233 D1 19861211; EP 0144347 A1 19850619; EP 0144347 B1 19861105; JP H0426530 B2 19920507; JP S60501434 A 19850829; US 4629974 A 19861216; WO 8404849 A1 19841206

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DE 3318749 A 19830524; DE 3461233 T 19840427; EP 8400126 W 19840427; EP 84901762 A 19840427; JP 50210884 A 19840427; US 84100886 A 19860314