

Title (en)  
Current control for an inductive load

Title (de)  
Stromregler für eine induktive Last

Title (fr)  
Contrôle de courant pour une charge inductive

Publication  
**EP 0895264 A1 1990203 (EN)**

Application  
**EP 98305816 A 19980721**

Priority  
GB 9716220 A 19970801

Abstract (en)  
A current control for an inductive load (10) includes a switch device (11) and a sensor (12) in series with the load. A voltage comparator (15) is connected to operate when the current in the load reaches a desired average value. A digital control (18) measures the time taken for the current to reach this value and maintains the switch device conductive for a further period based on this measured time. Accurate average current control is obtained even if it is not possible to measure the load current when the switch device is non-conductive. <IMAGE>

IPC 1-7  
**H01H 47/32**

IPC 8 full level  
**H01H 47/32** (2006.01)

CPC (source: EP)  
**H01H 47/325** (2013.01)

Citation (search report)

- [A] US 4481554 A 19841106 - HENRICKS GWENNE A E [US], et al
- [A] DE 3904441 A1 19900823 - MANNESMANN AG [DE]
- [A] EP 0449543 A1 19911002 - VICKERS SYSTEMS LTD [GB]

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Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0895264 A1 1990203; EP 0895264 B1 20000223**; DE 69800081 D1 20000330; DE 69800081 T2 20000914; GB 9716220 D0 19971008

DOCDB simple family (application)  
**EP 98305816 A 19980721**; DE 69800081 T 19980721; GB 9716220 A 19970801