

Title (en)
Coil device.

Title (de)
Spulenelement.

Title (fr)
Élément de bobine.

Publication
EP 0471864 A1 19920226 (EN)

Application
EP 90115820 A 19900817

Priority
EP 90115820 A 19900817

Abstract (en)
A coil device 1 comprises two magnetic cores (2,3) each having U-shape in section forming a closed magnetic path therein with their legs being opposed to each other and having a gap (5) in such path, and a coil 4 wound so as to cover the gap. In this structure, the mutually opposed portions of the magnetic cores in the region to form the gap are so shaped that the cross-sectional area of the fore end becomes smaller than that of the base end, thereby preventing concentration of any leakage magnetic flux on the gap portions while averting abnormal generation of heat in the coil to consequently eliminate harmful influence of noise on peripheral apparatus or components. <IMAGE>

IPC 1-7
H01F 3/14; **H01F 27/34**

IPC 8 full level
H01F 3/14 (2006.01); **H01F 27/34** (2006.01)

CPC (source: EP)
H01F 3/14 (2013.01); **H01F 27/346** (2013.01)

Citation (search report)
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• [A] EP 0225830 A1 19870616 - OREGA ELECTRO MECANIQUE [FR]
• [A] DE 3123006 A1 19830105 - ROEDERSTEIN KONDENSATOREN [DE]

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EP0729040A1; US5767816A

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DE FR GB NL

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EP 0471864 A1 19920226; **EP 0471864 B1 19940727**; DE 69011106 D1 19940901; DE 69011106 T2 19941201

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