

Title (en)  
Coil device.

Title (de)  
Spulenordnung.

Title (fr)  
Dispositif de bobine.

Publication  
**EP 0444522 A1 19910904 (EN)**

Application  
**EP 91102491 A 19910220**

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Abstract (en)  
The present invention provides a coil device including magnetic cores having gaps at positions of at least opposing to each other in a magnetic path to be formed and a coil wound to include at least one of said gaps and its improvement consists in the fact that a shape of at least one of the opposing magnetic cores forming the gaps around which said coil is wound is made as a curve of logarithmic function from its base end to its extreme end and its most extreme end is provided with a gap adjusting flat surface. With such an arrangement as above, the present invention provides a coil device capable of reducing a leakage magnetic flux generated around the gaps, preventing an abnormal generation of heat of the coil and further preventing a bad influence of noise against a peripheral apparatus. <IMAGE>

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IPC 8 full level  
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**H01F 3/14** (2013.01); **H01F 27/346** (2013.01); **H01F 38/023** (2013.01)

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