

Title (en)  
Self-inductance coil

Title (de)  
Drosselspule

Title (fr)  
Bobine de self-inductance

Publication  
**EP 0642142 B1 20020130 (FR)**

Application  
**EP 94202487 A 19940831**

Priority  
FR 9310427 A 19930901

Abstract (en)  
[origin: EP0642142A2] The coil includes a winding coiled over a straight-line magnetic core consisting of a plurality of ferrite cylinders (4, 5, 6) placed end to end with a space between each of them. The ferrite cylinders are all held in place in a single cylinder (3) made of moulded plastic, which, on its outer cylindrical surface, includes a helical groove (7). Applications: injection of current at low frequency into a cable of a television distribution network. <IMAGE>

IPC 1-7  
**H01F 17/04**

IPC 8 full level  
**H01F 41/04** (2006.01); **H01F 17/04** (2006.01); **H01F 27/255** (2006.01)

CPC (source: EP US)  
**H01F 17/045** (2013.01 - EP US); **H01F 27/255** (2013.01 - EP US)

Citation (examination)  
ENCYCLOPOEDIA UNIVERSALIS, 1980, volume 6, pages 1039-1042, "FERRITES"

Cited by  
EP1168383A1; FR2811135A1; EP0940827A1; FR2775824A1; EP0732708A3; US6529110B2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
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**EP 94202487 A 19940831**; DE 69429752 T 19940831; JP 20367494 A 19940829; TW 83103062 A 19940408; US 29544894 A 19940824