

Title (en)  
MINIATURE INDUCTION COIL AND METHOD OF MAKING THE SAME

Publication  
**EP 0217219 B1 19910102 (FR)**

Application  
**EP 86112759 A 19860916**

Priority  
FR 8513918 A 19850919

Abstract (en)  
[origin: US4706058A] A miniature variable inductor comprises a coil soldered to a pair of connecting skids. These skids are clipped to two oppositely disposed lateral walls of an injection-moulded plastics cover in the shape of a hollow die. A solid part of the cover and a hollow space lie between these two walls. A central opening through these walls, the solid part of the cover and the hollow space defines a housing for a movable ferromagnetic core. There is a screwthread on at least part of this core. The coil is disposed in the aforementioned hollow space coaxially with the central opening, encapsulated in resin. The central opening has a threaded portion where it passes through the solid part of the cover. This threaded portion is complementary to the thread on the core.

IPC 1-7  
**H01F 15/02**; **H01F 41/00**; **H01F 41/02**; **H01F 41/10**

IPC 8 full level  
**H01F 27/02** (2006.01); **H01F 41/00** (2006.01); **H01F 41/02** (2006.01); **H01F 41/10** (2006.01)

CPC (source: EP US)  
**H01F 27/027** (2013.01 - EP US); **H01F 41/005** (2013.01 - EP US); **H01F 41/02** (2013.01 - EP US); **H01F 41/10** (2013.01 - EP US);  
**H01F 2017/048** (2013.01 - EP US); **Y10T 29/49071** (2015.01 - EP US); **Y10T 29/49073** (2015.01 - EP US); **Y10T 29/49799** (2015.01 - EP US)

Citation (examination)  
FR 2486704 A1 19820115 - CIT ALCATEL [FR]

Cited by  
EP3076410A1; EP3438995A1; US10312592B2; US11128048B2

Designated contracting state (EPC)  
BE DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0217219 A1 19870408**; **EP 0217219 B1 19910102**; BR 8604468 A 19870519; CN 1006745 B 19900207; CN 86106038 A 19870318;  
DE 3676407 D1 19910207; FR 2587537 A1 19870320; FR 2587537 B1 19871030; IN 166417 B 19900505; MX 168164 B 19930507;  
US 4706058 A 19871110; US 4736513 A 19880412

DOCDB simple family (application)  
**EP 86112759 A 19860916**; BR 8604468 A 19860918; CN 86106038 A 19860917; DE 3676407 T 19860916; FR 8513918 A 19850919;  
IN 770DE1986 A 19860828; MX 372586 A 19860912; US 8831787 A 19870824; US 90283286 A 19860902