

Title (en)

SADDLE COILS FOR ELECTROMAGNETIC DEFLECTION UNITS

Publication

EP 0169613 B1 19881102 (EN)

Application

EP 85201158 A 19850710

Priority

GB 8419277 A 19840727

Abstract (en)

[origin: EP0169613A1] A saddle coil for a deflection coil assembly in an electromagnetic deflection unit is formed from a plurality of layer each of which comprises a conductive pattern on an insulating film and may be produced by printed wiring techniques. Each layer is constructed from first and second lamelliform parts, the first of which is substantially 'U' shaped, these parts being assembled by distorting the shape of the first part and bridging its distal ends, which may have inward facing projections (14A, 15A), with the second part. In the assembled layer the transverse limb of the first part is at the gun end (9) and the flared side limbs of this part form the side members (11,12) whilst the second part forms at least part of the screen end (13). Conductive patterns on the first and second part are interconnected to form a coil. A number of such layers so formed are assembled to produce the saddle coil with the required electrical connections between the layers. Saddle coils produced in this manner have the advantage that the conductors are accurately positioned from coil to coil with a consequence accuracy of deflection. Two such saddle coils are used to form a deflection coil assembly (line and/or field) which assemblies can be used in the construction of a deflection unit.

IPC 1-7

H01J 9/236; **H01J 29/76**

IPC 8 full level

H01F 5/00 (2006.01); **H01J 9/236** (2006.01); **H01J 29/76** (2006.01)

CPC (source: EP KR)

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Cited by

US5942846A; US6008574A; EP0788134A1; EP0788135A1; EP0790632A1; EP0700067A1; US5859495A; US5982087A; US5986397A; WO9748118A1; WO9819325A1; WO9819326A1; WO9621237A1

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