

Title (en)

Air core reactor with conductor winding rigidly anchored to structural sleeve.

Title (de)

Luftdrasselspule mit fest zu einer Strukturhülse verankerter Leiterwicklung.

Title (fr)

Bobine de self sans fer avec enroulement conducteur ancré rigidement sur un manchon de structure.

Publication

**EP 0600612 A1 19940608 (EN)**

Application

**EP 93308742 A 19931102**

Priority

US 97231992 A 19921105

Abstract (en)

A tappable air core reactor in which the tappable portion has a conductor wound in the form of an open helical winding on the outer surface of a sleeve of electrically insulated material. The helical winding is partially embedded leaving exposed an outer surface to which a tap can be attached at any peripheral location around the reactor. The adjacent helices of the winding are separated by spacers and the conductor is a solid rod of selected cross-sectional profile in which the base portion is wedge-like. The cylinder, the valleys between the helically wound conductor and endrings at opposite ends of the winding is a solid rigid unit of glass roving impregnated and embedded in a set epoxy resin. <IMAGE>

IPC 1-7

**H01F 41/04**; **H01F 27/32**

IPC 8 full level

**H01F 27/32** (2006.01); **H01F 29/02** (2006.01); **H01F 41/04** (2006.01); **H01F 41/10** (2006.01)

CPC (source: EP)

**H01F 27/323** (2013.01); **H01F 29/025** (2013.01); **H01F 41/04** (2013.01); **H01F 37/005** (2013.01)

Citation (search report)

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