

Title (en)  
Coil device, method of manufacturing the same and fuel injection valve

Title (de)  
Spuleneinrichtung, Verfahren zu ihrer Herstellung und Brennstoffeinspritzventil

Title (fr)  
Dispositif de bobine, procédé de fabrication associé et injecteur de carburant

Publication  
**EP 1577542 A1 20050921 (EN)**

Application  
**EP 05005904 A 20050317**

Priority  
JP 2004078855 A 20040318

Abstract (en)  
A wire (36) is drawn outside of a coil (31), and is passed through a whole length of a pipe-shaped terminal (34). A tip end (34a) of the pipe-shaped terminal (34) is crimped, so that an insulating coating of a wire (36) can be broken, and the tip end (34a) of the pipe-shaped terminal (34) is electrically connected with the wire (36). The tip end (34a) of the pipe-shaped terminal (34) is once welded with the external terminal (35). Thereby, the wire (36), a pipe-shaped terminal (34), and an external terminal (35) can be electrically connected, and are steadily joined together. Thus, it is possible to reduce joining of the wire (36) in the vicinity of the coil (31), so that productivity can be enhanced. Besides, a region of joining is distant from the coil (31), so that heat generated at the time of welding is hard to be conducted to the coil (31).

IPC 1-7  
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IPC 8 full level  
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