

Title (en)
HIGH-TENSION WINDING CONSISTING OF AXIALLY SUPERPOSED DISC COIL PAIRS

Publication
EP 0216249 B1 19890503 (DE)

Application
EP 86112505 A 19860910

Priority
DE 3533919 A 19850923

Abstract (en)
[origin: EP0216249A1] 1. High voltage winding consisting of disc coils, which are arranged axially one upon the other, are interconnected in pairs, electrically, to form disc coil pairs (101 to 106) and consist of, in each case, two spatially parallel conductors (107), through which the same current flows successively in the same direction by means of an electrical series connection in each of the disc coil pairs (101 to 106), in which case in the series connection within each disc coil pair (101 to 106) the first conductor in the first disc coil is succeeded by the first conductor in the second disc coil and, by way of return connection, then by the second conductor in the first disc coil and finally by the second conductor in the second disc coil, characterized - in that the spatially parallel conductors (107), which are wound up in each case in the same disc coil, lie directly axially together, - in that each of these conductors (107) by itself is a bundle conductor and - in that the sequence, fixed by the coil connections on the inner and on the outer periphery, of the axially adjacent conductors is such that the radially adjacent conductors merely have one voltage per turn and axially adjacent conductors merely have half the voltage of a complete coil pair as differential voltage.

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H01F 27/36

IPC 8 full level
H01F 27/28 (2006.01); **H01F 27/36** (2006.01)

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