

Title (en)
Manufacture of varistors

Title (de)
Herstellung von Varistoren

Title (fr)
Production de varistors

Publication
EP 0974984 B1 20061004 (EN)

Application
EP 98650042 A 19980720

Priority

- EP 98650042 A 19980720
- IE S980588 A 19980720

Abstract (en)
[origin: EP0974984A1] Varistors (46) having a multiphase composition, such as zinc oxide varistors are produced by the cold pressing technique. A binder is introduced into the slurry (5), and the slurry is spray dried (10) to form a powder (11). The powder is conveyed to pressing heads (41) through a heater (23) having heating baffles (26) extending inwardly and downwardly to provide a cascading action as the powder. The baffles (26) uniformly heat the powder to a temperature above the glass transition temperature of the binder by approximately 30 DEG C. The powder and binder is then much more pliable as it is being compressed, resulting in a less brittle pressed disc. This achieves a reduced defect rate. <IMAGE>

IPC 8 full level
H01C 7/112 (2006.01); **H01C 17/30** (2006.01)

CPC (source: EP)
H01C 7/112 (2013.01); **H01C 17/30** (2013.01)

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