

Title (en)  
A tube filling machine.

Title (de)  
Füllanlage für Röhre.

Title (fr)  
Appareil de remplissage pour tube.

Publication  
**EP 0147371 A1 19850703 (EN)**

Application  
**EP 84850287 A 19840926**

Priority  
SE 8305218 A 19830927

Abstract (en)  
A machine for simultaneous filling of a plurality of tubular electrical resistance elements comprises means (26) for holding of a plurality of element tubes (17) in a vertical position, support means (29) for supporting the lowermost ends of the element tubes (17) and simultaneously therewith holding the lowermost terminal end of the resistance wire spiral, hooking means for hooking up the uppermost terminal end of the resistance wire, means (14) for holding filling tubes (15) which surround one resistance wire spiral each. An insulation powder magazine (19) is disposed laterally adjacent the filling tubes (15) and feeds the element tubes (17) with insulating powder through filling hoppers (21) which are vertically movable and are fed with predetermined amounts of insulating powder through longitudinally retractable and extendable obliquely downwardly directed tubular nozzles (20).

IPC 1-7  
**H05B 3/52**

IPC 8 full level  
**H01C 17/02** (2006.01); **H05B 3/52** (2006.01)

CPC (source: EP)  
**H01C 17/02** (2013.01); **H05B 3/52** (2013.01)

Citation (search report)

- [A] US 4190407 A 19800226 - HARMAN GALEN B [US], et al
- [A] FR 535018 A 19220407 - CUTLER HAMMER MFG CO
- [A] CA 1035125 A 19780725 - CANADIAN CHROMALOX COMPANY LIM

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ES2098170A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**WO 8501633 A1 19850411**; EP 0147371 A1 19850703; JP S61500194 A 19860130; SE 8305218 D0 19830927; SE 8305218 L 19850328; SE 8502623 D0 19850528; SE 8502623 L 19850528

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**SE 8400310 W 19840926**; EP 84850287 A 19840926; JP 50359484 A 19840926; SE 8305218 A 19830927; SE 8502623 A 19850528