

Title (en)

CONVEYING ROD-LIKE ARTICLES PNEUMATICALLY

Title (de)

PNEUMATISCHES TRANSPORTSYSTEM FÜR STABFÖRMIGE ARTIKEL

Title (fr)

TRANSPORT PAR SYSTEME PNEUMATIQUE D'ARTICLES DU TYPE TIGE

Publication

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Application

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Priority

- GB 9803276 W 19981103
- GB 9723297 A 19971104
- GB 9821865 A 19981007

Abstract (en)

[origin: WO9922611A1] A conveying system for pneumatic conveyance of cigarette filter rods provides a matrix (114) of pneumatic conveying tubes (102, 104) and switches (116, 118) allowing filters to be delivered from any of a number of distributors (106) associated with different cigarette filter making machines to any of a number of receivers (108) at different cigarette filter assembling machines. The system includes pneumatic switches (116, 118) for selectively connecting pneumatic tubes at each junction, and corresponding commonly-switched electrical switches (144) for establishing electrical communication in accordance with the pneumatic connections. The pneumatic and electrical switching means may comprise a rotary or linear reciprocable switch element. In another system for transferring cigarette filter rods between groups of delivery devices and groups of receiving devices, pneumatic switches (64) are used to allow switching of rods from one group of delivery devices to another to supplement supply when required. A path length determination for rods conveyed pneumatically through a series of tubes may be made by detection of a sound pulse transmitted along the path of the rods through the tubes.

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