

Title (en)  
Molded-in pneumatic circuit

Title (de)  
Eingegossener pneumatischer Kreislauf

Title (fr)  
Circuit pneumatique surmoulé

Publication  
**EP 0696683 A1 19960214 (FR)**

Application  
**EP 95410083 A 19950808**

Priority  
FR 9410090 A 19940811

Abstract (en)  
The circuit, e.g. for testing pressure instruments in an aircraft, consists of at least one pneumatic chamber, one or more valve (40) and flexible connecting tubes (31). The circuit is encased in an over-moulded resin block (30) which both seals its components and acts as a mechanical support for them. The pneumatic chamber consists of a section of PVC tube which is closed at both ends and has at least one orifice for inserting the end of a supply tube. The resin block is equipped with metal inserts with threaded holes and is made from a bi-component polyurethane resin with a relatively low expansion coefficient and a vitreous transition point above that of the temperature range to which the pneumatic circuit is subjected.

Abstract (fr)  
Le circuit pneumatique (60) comprend au moins une capacité pneumatique (50), au moins une vanne (40), et des tuyaux souples (31) de raccordement, au moins l'un de ces éléments ou un raccordement de l'un de ces éléments étant d'une structure très simple ne permettant pas d'assurer une tenue en pression ou en dépression conforme à des spécifications du circuit. Il est enrobé dans un bloc de résine (30), assurant tout ou partie de l'étanchéité. La capacité pneumatique comprend un tronçon de tube de PVC (51) bouché à ses extrémités (52), muni d'au moins un orifice (53) dans lequel est introduite l'extrémité d'un tuyau souple (31). <IMAGE>

IPC 1-7  
**F15C 5/00; F15B 13/00**

IPC 8 full level  
**F15B 13/00** (2006.01); **F15B 13/08** (2006.01); **F15C 5/00** (2006.01)

CPC (source: EP)  
**F15B 13/0807** (2013.01); **F15B 13/081** (2013.01); **F15B 13/0892** (2013.01); **F15C 5/00** (2013.01)

Citation (search report)  

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Designated contracting state (EPC)  
GB IT

DOCDB simple family (publication)  
**EP 0696683 A1 19960214**; FR 2723619 A1 19960216; FR 2723619 B1 19961108

DOCDB simple family (application)  
**EP 95410083 A 19950808**; FR 9410090 A 19940811