

Title (en)  
TUBE DISCONNECTOR

Publication  
**EP 0195389 A3 19870506 (DE)**

Application  
**EP 86103494 A 19860314**

Priority  
DE 3509720 A 19850318

Abstract (en)  
[origin: EP0195389A2] 1. A tube disconnecter comprising a throughflow orifice (16) and a vent orifice (17, 41) and, associated with these orifices, two closure elements (5, 50 ; 8 ; 9) so coupled together that the throughflow orifice is in the closed state when the vent orifice is open and vice versa, the isolator also having driving surfaces (509, 82, 92), enabling the medium to move the closure elements into the throughflow position, a return spring (61) being provided to return the closure elements to the venting position, characterized in that the closure elements (5, 50 ; 8 ; 9) are so devised that by the opening of the throughflow orifice (16) a relatively large driving surface (509, 82, 92), and upon closure of the throughflow orifice (16) a relatively small driving surface, becomes operative for the movement into the throughflow position.

IPC 1-7  
**E03C 1/10**

IPC 8 full level  
**E03C 1/10** (2006.01)

CPC (source: EP)  
**E03C 1/104** (2013.01); **E03C 1/108** (2013.01)

Citation (search report)  
• [Y] EP 0001984 A1 19790530 - BRAUKMANN ARMATUREN [CH]  
• [Y] US 2594626 A 19520429 - EARLE CLARENCE E  
• [A] FR 1550782 A 19681220  
• [A] EP 0119305 A1 19840926 - LANG APPARATEBAU GMBH [DE]  
• [A] WO 8402545 A1 19840705 - GRUENBECK JOSEF WASSERAUF B [DE]

Cited by  
EP2960384A1; WO9313273A1

Designated contracting state (EPC)  
AT BE CH DE FR LI NL

DOCDB simple family (publication)  
**EP 0195389 A2 19860924; EP 0195389 A3 19870506; EP 0195389 B1 19890524; EP 0195389 B2 19940622**; AT E43384 T1 19890615; DE 3509720 A1 19860925; DE 3509720 C2 19930415; DE 3663549 D1 19890629

DOCDB simple family (application)  
**EP 86103494 A 19860314**; AT 86103494 T 19860314; DE 3509720 A 19850318; DE 3663549 T 19860314