

Title (en)  
Fluid-actuated working device

Title (de)  
Fluidbetätigte Arbeitsvorrichtung

Title (fr)  
Dispositif de travail actionné par un fluide

Publication  
**EP 1316732 A1 20030604 (DE)**

Application  
**EP 01128503 A 20011129**

Priority  
EP 01128503 A 20011129

Abstract (en)  
Several operative units (5) are attached interchangeably to a control unit (4) which contains an assembly interface (8) complementary to another assembly interface (9) of each operative unit. The control unit has electrically driven control valves (4) that are actuated by electrical signals received from an electronic control circuit (16), so that valves operate according to requirement of matching mounted operative unit.  
Several operative units (5) are attached interchangeably to a control unit (4) which contains an assembly interface (8) complementary to another assembly interface (9) of each operative unit. The control unit has electrically driven control valves (4) that are actuated by electrical signals received from an electronic control circuit (16), so that valves operate according to requirement of matching mounted operative unit.

Abstract (de)  
Es wird eine fluidbetätigte Arbeitsvorrichtung (1) vorgeschlagen, die eine elektro-fluidische Steuereinheit (4) aufweist, die mit einer Mehrzahl elektrisch aktivierbarer Steuerventile (14) mit jeweils 2/2-Ventilfunktion ausgestattet ist. An die Steuereinheit (4) sind wahlweise unterschiedliche Arbeitseinheiten (5) ansetzbar, wobei die Steuerventile (14) mittels einer Steuerelektronik (16) in auf die angesetzte Arbeitseinheit (5) abgestimmter Weise betätigt werden können. <IMAGE>

IPC 1-7  
**F15B 13/00**

IPC 8 full level  
**F15B 11/00** (2006.01); **F15B 13/04** (2006.01); **F15B 15/20** (2006.01); **F15B 13/00** (2006.01)

CPC (source: EP US)  
**F15B 11/006** (2013.01 - EP US); **F15B 13/0405** (2013.01 - EP US); **F15B 15/202** (2013.01 - EP US); **F15B 2013/006** (2013.01 - EP US); **F15B 2211/30575** (2013.01 - EP US); **F15B 2211/31588** (2013.01 - EP US); **F15B 2211/327** (2013.01 - EP US); **F15B 2211/6313** (2013.01 - EP US); **F15B 2211/71** (2013.01 - EP US); **Y10T 137/5109** (2015.04 - EP US); **Y10T 137/87885** (2015.04 - EP US)

Citation (applicant)  
• DE 20105448 U1 20010809 - FESTO AG & CO [DE]  
• WO 9958859 A1 19991118 - FESTO AG & CO [DE], et al

Citation (search report)  
• [DXY] EP 0955473 A1 19991110 - FESTO AG & CO [DE]  
• [A] WO 0177534 A1 20011018 - FESTO AG & CO [DE], et al  
• [AY] FR 2545161 A1 19841102 - FESTO MASCHF STOLL G [DE]  
• [AY] EP 1059458 A2 20001213 - FESTO AG & CO [DE]  
• [AY] PATENT ABSTRACTS OF JAPAN vol. 017, no. 282 (M - 1420) 31 May 1993 (1993-05-31)

Cited by  
CN104912860A; CN103958905A; AT510626A1; US11873848B2; US11788560B2; WO2020260146A1; WO2010136269A1; WO2010136273A1; WO2020260124A1

Designated contracting state (EPC)  
DE FI FR GB IT

DOCDB simple family (publication)  
**EP 1316732 A1 20030604**; **EP 1316732 B1 20040908**; DE 50103560 D1 20041014; US 2003097923 A1 20030529; US 6715400 B2 20040406

DOCDB simple family (application)  
**EP 01128503 A 20011129**; DE 50103560 T 20011129; US 29434702 A 20021114