

Title (en)
Pressurized air supplied working member

Title (de)
Mit Druckluft betriebene Arbeitsvorrichtung

Title (fr)
Organe de travail alimentée avec air pressurisé

Publication
EP 1710448 A1 20061011 (DE)

Application
EP 06002702 A 20060210

Priority
DE 102005015949 A 20050407

Abstract (en)
The device has a pneumatic drive (1) with a working piston driven by stroke movement opposed to one another. A damping cylinder has a damping unit displaced by the piston. The unit limits a damping chamber that is deaerated during a damping phase concurrently with a working chamber via a throttle. The unit is delivered by compressed air which is diverted from a supply line to the working chamber during deaeration or ventilation phases.

IPC 8 full level
F15B 15/22 (2006.01)

CPC (source: EP)
F15B 15/228 (2013.01)

Citation (applicant)
• WO 0168490 A1 20010920 - FESTO AG & CO [DE], et al
• DE 3941255 C2 19940203 - FESTO KG [DE]
• EP 1426623 A1 20040609 - FESTO AG & CO [DE]

Citation (search report)
• [A] DD 46600 A1 19660320 - HELMHOLZ WOLFGANG [DE]
• [AD] WO 0168490 A1 20010920 - FESTO AG & CO [DE], et al
• [A] US 4858898 A 19890822 - NIIKURA YOSHIHARU [JP], et al
• [A] DE 3718858 A1 19881222 - AROS HYDRAULIK [DE]

Cited by
US9017009B2; WO2014177985A1; CN105377723A; EP2357378A3; ITMI20130725A1; CN105339288A; US2011299964A1; EP2394937A1; WO2014177979A2; GB2575879A; US11506230B2

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