

Title (en)
PNEUMATIC UMBRELLA WITH SHELL

Title (de)
PNEUMATISCH ÖFFNENDER SCHIRM MIT SCHUTZHÜLLE

Title (fr)
PARAPLUIE PNEUMATIQUE EN FORME D'ENVELOPPE

Publication
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Application
EP 98952973 A 19981021

Priority
• GB 9722073 A 19971021
• IB 9801861 W 19981021

Abstract (en)
[origin: GB2330528A] The umbrella shaft has telescopic upper and lower tubes forming a pneumatic chamber 25. Piston 24, which is connected to the umbrella runner 6, is propelled up the chamber by a battery-powered thruster (23, Fig 11), thus driving the umbrella open and compressing air in the upper region of the chamber. Electromagnetic catches 15 maintain the open position against downward pressure of the compressed air on the piston. Release of the catches causes the umbrella to close. The outer end of each canopy rib 1 carries a flexible external casing section 19. When closed, the sections combine to form a complete casing for the umbrella.

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IPC 8 full level
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