

Title (en)  
POWDER-ACTUATED FASTENING TOOL

Publication  
**EP 0346275 B1 19920129 (DE)**

Application  
**EP 89810360 A 19890517**

Priority  
DE 3819813 A 19880610

Abstract (en)  
[origin: EP0346275A1] The powder-actuated fastening tool possesses a piston guide (5) and a driving piston (8) displaceable therein. By means of braking balls (17) displaceably mounted in recesses (16) in the piston guide (5), the driving piston (8) is braked in the driving-in direction in that a spring (18) forces the braking balls (17) against the shaft (11) of the driving piston (8). On displacement of the driving piston (8) in the opposite direction to the driving-in direction, the braking balls (17) move in the recesses (16) out of the tension range of the spring (18), as a result of which the driving piston (8) is not subjected to any braking action. <IMAGE>

IPC 1-7  
**B25C 1/14; B25C 1/18**

IPC 8 full level  
**B25C 1/10** (2006.01); **B25C 1/14** (2006.01); **B25C 1/18** (2006.01)

CPC (source: EP KR US)  
**B25C 1/14** (2013.01 - EP KR US)

Cited by  
EP0779132A1; FR2820673A1; EP2233250A1; CN102039579A; DE10105884A1; FR2820669A1; DE10105884C2; DE10105886A1; FR2820676A1; DE10105886C2; EP0782902A1; US5950900A; EP2769808A1; DE10105879A1; FR2820675A1; DE10105879C2; US6092710A; DE10105881A1; FR2820674A1; DE10105881B4; DE10033498B4; DE19627613C1; FR2742375A1; US5881940A; EP0818281A3; DE10105882A1; FR2820672A1; DE10105882C2; DE10105885C1; FR2820671A1; US6478208B2

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**EP 89810360 A 19890517**; AT 89810360 T 19890517; AU 3605989 A 19890605; CA 602349 A 19890609; DE 3819813 A 19880610; DE 58900790 T 19890517; JP 13482289 A 19890530; KR 890008059 A 19890609; US 36522289 A 19890612