

Title (en)
Fastening tool acting via an intermediate anvil.

Title (de)
Setzgerät mit Treibkolben.

Title (fr)
Appareil de scellement à tir indirect.

Publication
EP 0274919 A1 19880720 (FR)

Application
EP 87401447 A 19870624

Priority
FR 8618018 A 19861223

Abstract (en)
[origin: US4824003A] An indirect firing fastener driving tool is provided including a barrel (51), a piston (6) sliding in the barrel for driving a fastener (3) housed in a fastener guide (7). Between the barrel (51) and the fastener guide (7) are disposed a rigid ring (22) and a resilient ring (24). Inside the resilient ring (24) is disposed a rigid ring (27) for limiting the stroke of the ring (22) intended to be received in a recess (25) provided at the rear part of the fastener guide (7). The head (14) of the piston is of a truncated cone shape and may cooperate with a bore (23) of corresponding shape in the rigid ring (22). The rings serve as absorber for the piston (6) whose stroke is thus controlled.

Abstract (fr)
L'appareil comprend un canon (51), un piston (6), coulissant dans le canon, pour entraîner un tampon (3) logé dans un guide-tampon (7). Entre le canon (51) et le guide-tampon (7) sont disposées une bague rigide (22) et une bague élastique (24). A l'intérieur de la bague élastique (24) est disposée une bague rigide (27) de limitation de la course de la bague (22). La tête (14) du piston est tronconique et peut coopérer avec un alésage (23) de forme correspondante dans la bague rigide (22). Les bagues servent d'amortisseur pour le piston (6) dont la course est ainsi contrôlée. L'appareil sert surtout au barbage de bâtiments.

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

IPC 8 full level
B25C 1/14 (2006.01); **B25C 1/18** (2006.01); **B25C 7/00** (2006.01)

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

Citation (search report)

- [X] FR 1344304 A 19631129
- [X] GB 934082 A 19630814 - OLIN MATHIESON
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- [Y] FR 1355370 A 19640313 - IMPEX ESSEN VERTRIEB
- [Y] DE 1478838 A1 19690130 - BAUER CARL FA
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- [A] US 3746235 A 19730717 - CRABTREE R
- [A] US 3080159 A 19630305 - HARRY ORNER
- [A] FR 1343321 A 19631115

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Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

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EP 0274957 A1 19880720; EP 0274957 B1 19920513; AT E75985 T1 19920515; AU 598080 B2 19900614; AU 630071 B2 19921022; AU 8286887 A 19880623; CA 1287699 C 19910820; DE 3779092 D1 19920617; EP 0274919 A1 19880720; ES 2032849 T3 19930301; FI 875680 A0 19871222; FI 875680 A 19880624; FR 2608493 A1 19880624; FR 2608493 B1 19940902; IE 59869 B1 19940420; IE 873492 L 19880623; JP 2720157 B2 19980225; JP S63229275 A 19880926; KR 880007179 A 19880826; KR 950005411 B1 19950524; NO 165329 B 19901022; NO 165329 C 19910130; NO 875382 D0 19871222; NO 875382 L 19880624; NZ 223012 A 19891128; US 4824003 A 19890425

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EP 87402935 A 19871221; AT 87402935 T 19871221; AU 8286887 A 19871221; AU 8286887 D 19871221; CA 554549 A 19871216; DE 3779092 T 19871221; EP 87401447 A 19870624; ES 87402935 T 19871221; FI 875680 A 19871222; FR 8618018 A 19861223; IE 349287 A 19871222; JP 32424287 A 19871223; KR 870014787 A 19871223; NO 875382 A 19871222; NZ 22301287 A 19871221; US 13512187 A 19871218