

Title (en)
Electrically powered tool

Title (de)
Elektrisch angetriebenes Werkzeug

Title (fr)
Outil à entraînement électrique

Publication
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Application
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Abstract (en)
The invention relates to an electrically powered tool for fastening elements and comprising a moving shuttle (10) connected to a driver (13). The invention comprises an actuator motor having at least two electromagnetic yokes (8, 9), cooperating with said shuttle (10) which is arranged to be displaced in relation to said yokes (8, 9), wherein each yoke (8, 9) has electric coils (15) arranged for generating a magnetic field through the shuttle (10), and a control unit which controls the current in the coils (15) to generate a magnetic field so that a force is generated for displacing said shuttle (10). <IMAGE>

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IPC 8 full level
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CPC (source: EP)
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Citation (search report)

- [XY] US 2004084503 A1 20040506 - CHEN MU-YU [TW]
- [XY] US 6364193 B1 20020402 - TSAI CHEN-CHIEH [TW]
- [XAY] US 3434026 A 19690318 - DOYLE RICHARD H
- [XY] US 2967302 A 19610110 - LOVELESS ROBERT B
- [XY] US 2572012 A 19511023 - CURTIS ARTHUR J
- [XY] GB 1196650 A 19700701 - ELECTRIC STAPLER CORP [US]
- [XY] DE 2729002 A1 19790111 - MUELLER E GMBH & CO
- [YA] DE 472589 C 19290304 - ALBERTO BETTICA
- [YA] DE 3426072 A1 19860130 - MUELLER E GMBH & CO [DE]
- [A] US 4558391 A 19851210 - WARD JOSEPH W [US], et al

Cited by
EP2321096A4; EP1952949A3; WO2010017469A2

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