

Title (en)
Striking mechanism and hand tool machine

Title (de)
Schlagwerk und Handwerkzeugmaschine

Title (fr)
Mécanisme de frappe et machine-outil manuelle

Publication
EP 2210711 B1 20120418 (DE)

Application
EP 09178155 A 20091207

Priority
DE 102009000363 A 20090121

Abstract (en)
[origin: EP2210711A1] The mechanism (1) has a work space (10) with two sections (30, 31) that are surrounded by respective electromagnets (4, 5). An impact body (2) is movable within the work space along an impact axis (11) and consists of a magnetizable material. An anvil (3) has an impact surface (17) that defines the work space in an impact direction (12). A spring element i.e. spiral spring (70), subjects the impact body in each position in the work space with force towards the anvil. The spring element exhibits progressive characteristic with which a spring rate increases against the impact direction.

IPC 8 full level
B25D 11/06 (2006.01)

CPC (source: EP US)
B25D 11/064 (2013.01 - EP US); **B25D 2250/345** (2013.01 - EP US); **B25D 2250/371** (2013.01 - EP US)

Cited by
EP2551058A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2210711 A1 20100728; EP 2210711 B1 20120418; AT E553890 T1 20120515; CN 101797745 A 20100811; CN 101797745 B 20140910; DE 102009000363 A1 20100722; JP 2010167558 A 20100805; JP 5580610 B2 20140827; US 2010206593 A1 20100819; US 9259830 B2 20160216

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EP 09178155 A 20091207; AT 09178155 T 20091207; CN 201010004663 A 20100120; DE 102009000363 A 20090121; JP 2010009298 A 20100119; US 65731110 A 20100119