

Title (en)
ELECTRICALLY DRIVEN IMPACT TOOL.

Title (de)
ELEKTRISCH BETRIEBENES SCHLAGGERÄT.

Title (fr)
OUTIL A PERCUSSION ENTRAINE ELECTRIQUEMENT.

Publication
EP 0096029 A4 19840427 (EN)

Application
EP 82900418 A 19811210

Priority
US 8101649 W 19811210

Abstract (en)
[origin: WO8302082A1] One or both of a pair of oppositely rotating bodies, such as motor driven flywheels (F, F') are mounted for pivotal movement against the side of a ram (R). One or more tension rods (T) connect pivot shafts (15, 15') or members for equalizing precession and similar forces of rotating bodies, rather than housing (H). Pulsed solenoids (S, S') produce force increased by force multiplying device, such as pivoted links (27, 28, 27', 28') or cable arrangement (155, 160) which has greatest mechanical advantage when solenoid pull is weakest at start, but decreases as solenoid pull increases. Ram (R) has entrance taper (17) on one or both sides. Ram (R) is returned by nylon sheathed bundle (C) of elastomer cords which are looped around ram from both sides and stretched proportionally along their length. Removable guide rods (47) engage holes (120) in side wings (48) of ram (R). Safety device is actuated by rod (35), moved through engagement with work piece, for closing safety switch in solenoid circuit. Alternatively, a block (150) engages a ram wing (48) to prevent impact stroke, but is removed by a similar rod (35'). Alternatively, a stop block (183) is placed between motor housings to prevent movement against ram (R) until work piece is engaged and similar rod (185) moves spring pressed pivoted line (180) to withdraw stop block.

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B25C 1/06

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