

Title (en)
ELECTROMAGNETIC HAMMER WITH MOBILE FERROMAGNETIC WEIGHT

Title (de)
ELEKTROMAGNETISCHER HAMMER MIT FERROMAGNETISCHER, BEWEGLICHER MASSE

Title (fr)
MARTEAU ELECTROMAGNETIQUE A MASSE FERROMAGNETIQUE MOBILE

Publication
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Application
EP 98933722 A 19980625

Priority
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Abstract (en)
[origin: US6201362B1] An electromagnetic hammer having a ferromagnetic moving mass, the hammer comprising both a tube (1) designed to rest via an anvil on an element to be hammered (50), carrying a peripheral coil (2), and slidably receiving the mass (14) inside itself, and electrical power supply means connected to the coil (2) to excite it in such a manner as to generate an electromagnetic field for raising the mass, the mass striking the anvil under the action of its own weight when the coil is no longer excited, the coil (2) being made by being wound around the tube (1), and the tube being made of a non-magnetic material and having means (3, 4, 5, 6) for taking up axial forces and for transmitting said forces to the anvil (13) while the mass (14) is being raised. The power supply means comprise an flywheel associated with a rotary motor and with an alternator.

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