

Title (en)

METHOD AND DEVICE FOR THE DETERMINATION OF CHARACTERISTIC FEATURES OF AN IMPACT MOTOR

Publication

**EP 0461565 B1 19930616 (DE)**

Application

**EP 91109395 A 19910607**

Priority

DE 4019019 A 19900614

Abstract (en)

[origin: EP0461565A1] In order to determine characteristic quantities by means of which the operational performance of an impact machine can be influenced, it is proposed to determine the impact velocity of the impact piston (26) shortly before, and its return velocity shortly after, the impact, by using a relative movement corresponding to the impact piston movement to trigger in each case a plurality of time marks (t1, t2 or t3, t4) which are assigned to a working stroke section or return stroke section ( DELTA s) and succeed one another at a time interval, and by determining the time intervals between the succeeding time marks of the working stroke and the return stroke. The values of the time intervals between the relevant time marks are used continuously to determine and render capable of evaluation at least one of the further characteristic quantities of number of impacts, impact energy, impact power, reflection energy, reflection factor, position of the power impact plane and temporal variation in the position of the impact plane. <IMAGE>

IPC 1-7

**B25D 9/26**

IPC 8 full level

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CPC (source: EP KR)

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Cited by

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