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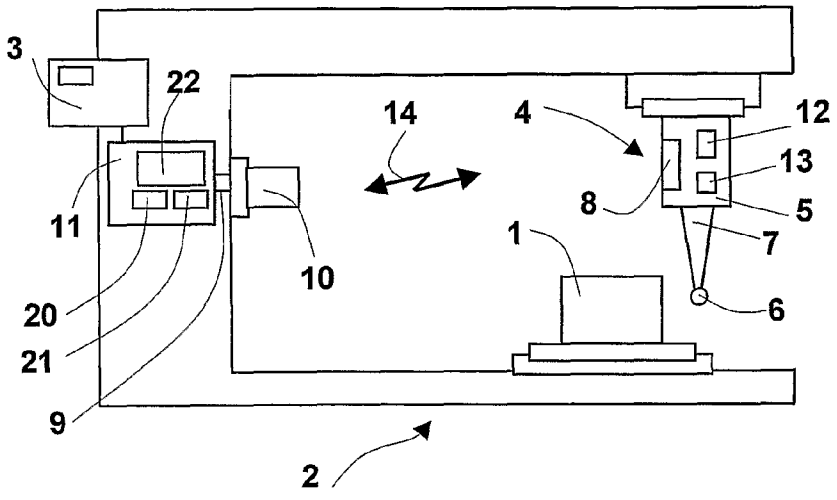
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(54) Title: SYSTEM AND METHOD FOR THE DIMENSION CHECKING OF MECHANICAL PIECES



(57) Abstract: A system for performing dimension checkings of mechanical pieces includes a contact detecting probe (4) with wireless transmission, for example by means of a single radiofrequency two-way communication link (14), with respect to a base station (10) connected to an interface unit (11). The probe includes a logic unit (36) and a memory unit (38) in which there reside the values of some operation parameters, for example the transmission frequency and/or the activation mode of the probe. The values of the operation parameters can be modified in a programming phase, according to a method that foresees the wireless transmission of control signals from a manually operated control device - carried out, for example, in the interface unit - to the probe, for giving the updating of the values among the selectable values of a sequence residing in the probe, and the acquisition of the current value. The generation of the former control signals is activated by manually operating keys of the interface unit on the basis of information - regarding the parameter under consideration and its associated current value - observable on a display, for example in the interface unit, information visualized on the basis of signals transmitted from the probe.

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