

Title (en)

MEASURING HEAD FOR A COORDINATE MEASURING DEVICE FOR DETERMINING SPATIAL COORDINATES ON A TEST OBJECT

Title (de)

MESSKOPF FÜR EIN KOORDINATENMESSGERÄT ZUM BESTIMMEN VON RAUMKOORDINATEN AN EINEM MESSOBJEKT

Title (fr)

TÊTE DE MESURE POUR UN APPAREIL DE MESURE DE COORDONNÉES PERMETTANT DE DÉTERMINER LES COORDONNÉES SPATIALES SUR UN OBJET À MESURER

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012150141A1] A measuring head for a coordinate measuring device for determining spatial coordinates on a test object has a coupling part (40) for removably coupling a measuring tool (27). The coupling part (40) has a number of first bearing elements (58), a magnet (60), and a retaining pin (57). The measuring tool (27) has a plate (74) with a number of second bearing elements (78), an anchoring plate (83), and at least one adjustable locking element (86). The magnet (60) is designed to attract the anchoring plate (83) in order to bring the first and second bearing elements (58, 78) into engagement with each other. When the first and second bearing elements are in engagement, said bearing elements (58, 78) determine a defined position of the measuring tool (27) on the coupling part (40). The at least one locking element (86) fixes the measuring tool (27) on the retaining pin (57). According to one aspect of the invention, the anchoring plate (83) is removably fixed to the plate (74), and the at least one locking element (86) retains the anchoring plate (83) on the retaining pin (57).

IPC 8 full level

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