

Title (en)  
BEARING MEASUREMENT SYSTEM

Title (de)  
LAGERMESSSYSTEM

Title (fr)  
SYSTEME DE MESURE DE PALIER

Publication  
**EP 0938642 A1 19990901 (EN)**

Application  
**EP 97939047 A 19970905**

Priority  
• GB 9702393 W 19970905  
• GB 9619704 A 19960920

Abstract (en)  
[origin: GB2317453A] The assembly 26 to be measured is mounted to a turntable 14 via a chuck 16. Two sets of surface profile measurements are thereafter taken, the turntable being rotated throughout 360° during each measurement set. For the first set of measurements a flat faced bar 38 is attached to the spindle 1. The bar 38 is prevented from following the rotation of turntable 14 by stop 36. Deviation of an end of the bar 38 is measured by a stylus 22. A second set of measurements is taken without bar 38 wherein the stylus directly follows a datum face of the assembly 26, such as the top or bottom face (3c, 3b, Fig 4). From the above two measurement sets, the flatness, squareness and parallelism of a face of the assembly relative to the rotating axis can be calculated, analysed and displayed.

IPC 1-7  
**G01B 5/20**; **G01B 21/20**

IPC 8 full level  
**G01B 7/31** (2006.01); **G01B 7/312** (2006.01)

CPC (source: EP)  
**G01B 7/31** (2013.01); **G01B 7/312** (2013.01)

Citation (search report)  
See references of WO 9812497A1

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**GB 2317453 A 19980325**; **GB 2317453 B 20001206**; **GB 9619704 D0 19961106**; EP 0938642 A1 19990901; WO 9812497 A1 19980326

DOCDB simple family (application)  
**GB 9619704 A 19960920**; EP 97939047 A 19970905; GB 9702393 W 19970905