

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
27 September 2001 (27.09.2001)

PCT

(10) International Publication Number  
WO 01/71276 A1

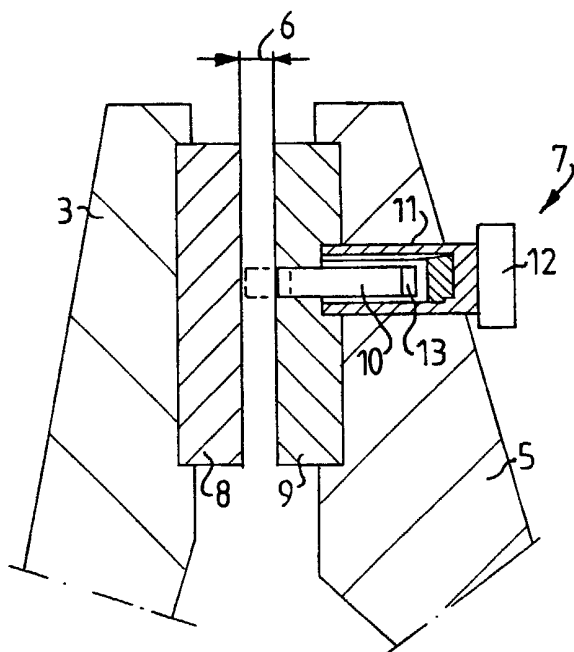
- (51) International Patent Classification<sup>7</sup>: G01B 7/14, B02C 7/14 (74) Agents: ALGMAN, Sven et al.; Albihns Stockholm AB, Box 5581, S-114 85 Stockholm (SE).
- (21) International Application Number: PCT/SE01/00572 (81) Designated States (*national*): CA, JP, US.
- (22) International Filing Date: 20 March 2001 (20.03.2001) (84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- (25) Filing Language: Swedish
- (26) Publication Language: English
- (30) Priority Data: 0001031-4 23 March 2000 (23.03.2000) SE
- (71) Applicant (*for all designated States except US*): D/A PRODUCTION AB [SE/SE]; Box 120, S-127 23 Skärholmen (SE).

**Published:**  
— with international search report  
— with amended claims

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

- (72) Inventor; and  
(75) Inventor/Applicant (*for US only*): ÅKERBLOM, Bengt [SE/SE]; Vårby Allé 23, S-143 40 Vårby (SE).

(54) Title: METHOD AND ARRANGEMENT FOR DISTANCE MEASUREMENT



(57) Abstract: In a machine which is provided with a stator (5) and an opposite rotor (3), a sensor (10) of magnetic type, arranged in the stator, for determining the distance between the stator and the rotor can be calibrated by the sensor first being moved relative to the stator into contact with the rotor for zeroing. The sensor is then reversed a predetermined distance, after which the sensor signal can be used for determining the distance (6) between the stator (5) and the rotor (3). In an arrangement suitable for the purpose, the stator (5) has at least one sensor (10) of magnetic type, which is intended to interact with an opposite surface on the rotor (3). The sensor (10) is mounted displaceably in the axial direction of the rotor and can be brought into contact with the rotor (3).

WO 01/71276 A1