

(12) PATENT APPLICATION PUBLICATION

(21) Application No.654/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013

(43) Publication Date : 23/01/2015

(54) Title of the invention : MEASURING MACHINE PROVIDED WITH A SYSTEM FOR COMPENSATING MEASURING ERRORS DUE TO THERMAL EXPANSION OF A SCALE OF A LINER TRANSDUCER

(51) International classification	:G01D	(71)Name of Applicant :
(31) Priority Document No	:12425050.7	<b>1)HEXAGON METROLOGY S.P.A.</b>
(32) Priority Date	:07/03/2012	Address of Applicant :VIA VITTIME DI PIAZZA DELLA
(33) Name of priority country	:EPO	LOGGIA, 6, MONCALIERI, ITALY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DOMENICO RUSSO</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A measuring machine (1) comprising a member (5) mobile along an axis (Y), an optical scale (14) extending parallel to the axis (Y) , a first reading head (15), which is carried by the 10 mobile member (5) and co-operates with the optical scale (14), an additional sensor (20) carried by the mobile member (5), and a processing unit co-operating with the first reading head (15) and with the additional sensor (20) for detecting data correlated with the state of thermal expansion of the optical 15 scale (14).

No. of Pages : 17 No. of Claims : 10