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(72) Inventors: **MISSO, Nigel, F.**; 7915 N.W. 21st, H5,
Bethany, OK 73008 (US). **SEEWALD, Denis, A.**; 1328
West Hwy 152, Mustang, OK 73064 (US). **JONES, In-**
man, L.; 11609 S.W. 3rd Street, Yukon, OK 73099 (US).

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(74) Agents: **MCCARTHY, Randall, K.**; Crowe & Dunlevy,
P.C, 1800 Mid-America Tower, 20 North Broadway, Okla-
homa City, OK 73102 et al. (US).

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(71) Applicant: **SEAGATE TECHNOLOGY LLC** [US/US];
920 Disc Drive, Scotts Valley, CA 95066 (US).

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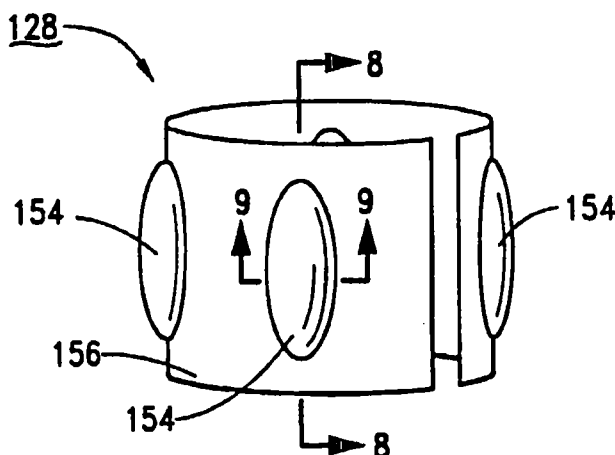


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ACTION

(54) Title: TOLERANCE RING WITH LOW CONSISTENT INSTALLATION FORCE PROFILE



(57) Abstract: A tolerance ring (128) which provides a low consistent installation force profile as a rotatable member, such as a disc drive actuator (110), is installed onto a stationary member, such as a post (126) extending along an axis. The tolerance ring (128) has a substantially cylindrical base portion (156) from which a plurality of spaced apart raised portions (154) radially extend. Each of the raised portions (154) has a contact surface (158) with a substantially elliptical cross-sectional shape in a direction parallel to the axis and a pair of transition portions (160) between the contact surface (158) and the base portion (156). Each transition portion (160) further has a continually radiused cross-sectional shape in a direction parallel to the axis so that, for each raised portion (154), a selected one of the elliptical cross-sectional shapes and the pair of radiused cross-sectional shapes is convex with respect to the axis and the remaining one of the elliptical cross-

sectional shapes and the pair of radiused cross-sectional shapes is concave with respect to the axis.

WO 01/41136 A1