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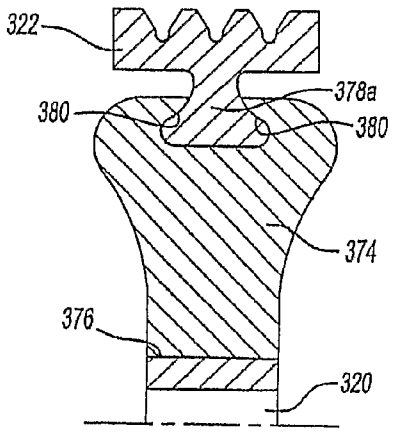
(54) Title: OVERMOLDED ARTICLE AND METHOD FOR FORMING SAME



(57) **Abstract:** An article having a first member (322) and a second member (374) that is molded onto the first member (322). The first member (322) includes an aperture and an interior flange (378a) that extends at least partially about the aperture. The interior flange (378a) includes a pair of abutting surfaces (380). The second member (374) is molded onto the interior flange (378a) and at least partially fills the aperture. Shrinkage of the second member (374) following its molding onto the interior flange (378a) applies a force to the abutting surface that couples the second member (374) to the interior flange (378a). A method for forming an overmolded article is also provided.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC: **B29C 45/14**(2006.01)

USPC: 264/230,274,342R,261,262
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 264/230,274,342R,261,262

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 4,567,633 A (CORKERY) 04 February 1986 (04.02.1986), see entire document.	1-3,8-10 --- 4-7,12-15
Y	US 6,482,140 A (TAKATSU) 19 November 2002 (19.11.2002), see entire document.	4-6, 12-14

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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