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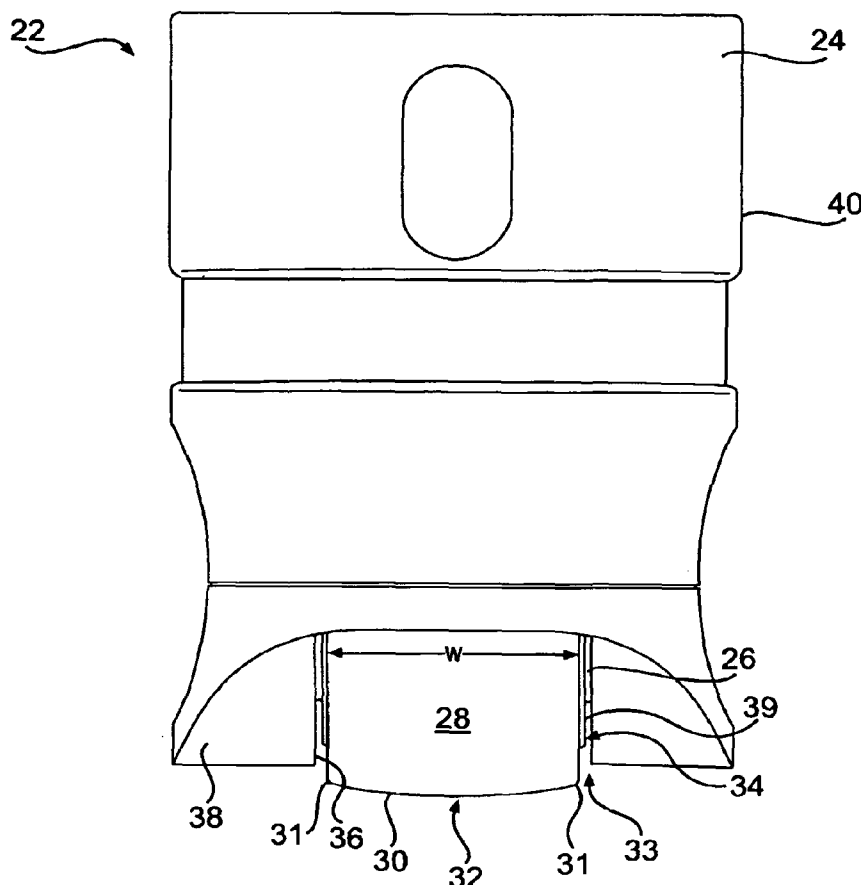
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[Continued on next page]

(54) Title: TAPPET ASSEMBLY



(57) Abstract: In one aspect, the present disclosure is directed to a tappet assembly (22) for a machine. The assembly (22) may include a tappet body (24), a pin (26) fixedly mounted in the tappet body (22), and a substantially cylindrical roller (28) mounted about the pin (26). The roller (28) may have a substantially cylindrical outer surface (30) with a circumferential dimension and a width dimension, the width dimension being defined by two lateral edges (31). The roller (26) may be configured to provide rolling contact between the outer surface (30) of the roller (28) and a cam lobe (20). The outer surface (30) of the roller (28) may be crowned such that at maximum operational loading conditions of the machine a footprint of contact pressure from the cam lobe (20) is spread substantially the full width of outer cylindrical surface (30) of the roller (28).



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F02M

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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2 281 601 A (FORD MOTOR CO [GB]) 8 March 1995 (1995-03-08) abstract; figures 11-13 -----	1-10
Y	DE 17 76 119 A1 (ORANGE GMBH) 7 October 1971 (1971-10-07) abstract; figure 1 -----	1-10
A	GB 944 894 A (GEN MOTORS CORP) 18 December 1963 (1963-12-18) abstract; figure 1 -----	1
A	US 2 372 694 A (TABB WARNER T) 3 April 1945 (1945-04-03) abstract; figure 1 -----	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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