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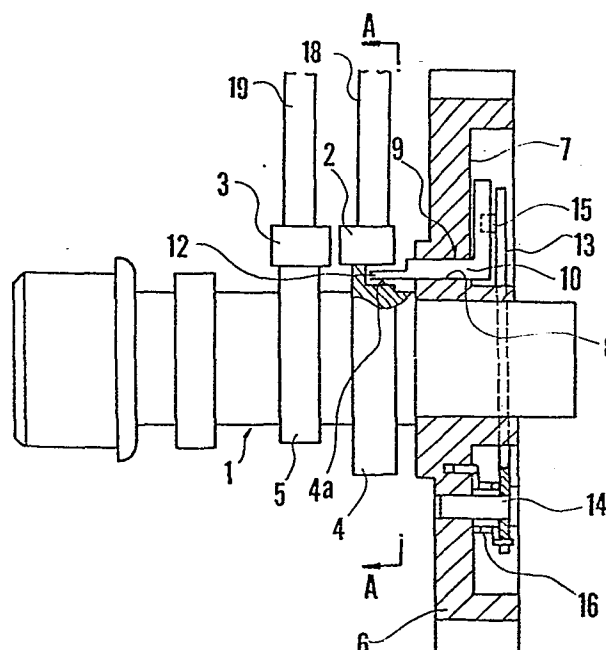
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⑤④ **Decompression apparatus for engines.**

⑤⑦ For automatic decompression during starting, a decompression device (9) is rotatably supported in the cam gear (6) on the camshaft (1) of an engine. The device has a shaft (10) mounted in the cam gear, a U-shaped portion (11), and a decompression cam (12) formed on the shaft and having a semicircular cross section. Inlet valve cam (4) has a recess (4a) at a part of its periphery and the decompression cam (12) is positioned in that recess (4a). A centrifugally rotated weight (13) is mounted on the cam gear (6) and is operatively engaged with the U-shaped portion (11) of the decompression device (9). The weight (13) and the decompression device (9) are so arranged that when the rotational speed of the camshaft at starting is below a speed which causes the reverse rotation of the engine, the periphery of the decompression cam (12) projects beyond the periphery of valve cam (4) to open the corresponding valve for reducing the compression pressure in the engine, and that when the rotational speed exceeds the speed which causes the reverse rotation of the engine, the periphery of the decompression cam (12) retracts to or below the periphery of the valve cam (4) to close the valve during at least a part of the compression stroke of the engine.





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-3 362 390 (ESTY) * Column 2, lines 28-30, 36-62; column 3, lines 33-55; figures 1-6 *	1,3-5	F 01 L 13/08
A	--- US-A-3 901 199 (SMITH) * Column 4, lines 11-22; column 4, line 46 - column 5, line 9; figures 1-5 * -----	1-3,5	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			F 01 L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11-04-1986	Examiner LEFEBVRE L.J.F.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	