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<p>(21) International Application Number: PCT/SE90/00439 (22) International Filing Date: 19 June 1990 (19.06.90) (30) Priority data: 8902225-5 20 June 1989 (20.06.89) SE (71)(72) Applicant and Inventor: GUSTAVSSON, Alvar [SE/SE]; Restadsvägen 40, S-617 00 Skärblacka (SE). (74) Agent: WILLQUIST, Bo; Pats. Willquist Patenter AB, S:t Larsgatan 29, S-582 24 Linköping (SE). (81) Designated States: AT (European patent), AU, BE (European patent), BR, CH (European patent), DE (European patent)*, DK (European patent), ES (European patent), FR (European patent), GB (European patent), IT (European patent), JP, KR, LU (European patent), NL (European patent), SE (European patent), SU, US.</p>		<p>Published <i>With international search report. In English translation (filed in Swedish).</i></p>

(54) Title: DEVICE AT AN INTERNAL COMBUSTION ENGINE

(57) Abstract

The present invention relates to an arrangement for an internal combustion engine. The engine is of the kind which has a number of working cylinders (1, 2, 3, 4), each of which communicating with a corresponding auxiliary cylinder (5, 6, 7, 8). Each working cylinder has a working piston (9, 10, 11, 12) which is so arranged as to execute a reciprocating motion and, via a connecting rod (9a, 10a, 11a, 12a), the working piston is operatively connected to a first crankshaft (17). Each auxiliary cylinder (5-8) has an auxiliary piston (13, 14, 15, 16) which is so arranged as to execute a reciprocating motion and via a connecting rod (9a-12a), the auxiliary piston is operatively connected to a second crankshaft (18). Acting between the aforementioned crankshafts is a device (19, 20, 21) to ensure that the motion of the auxiliary piston (13-16) occurs in a relation to the motion of the working piston (9-12), and to provide angular displacement between the shafts (20, 21).

