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(71) Applicant (for all designated States except US): **AVENTIS PHARMA LIMITED** [GB/GB]; Aventis House, 50 Kings Hill Avenue Kings Hill, West Malling, Kent ME19 4AH (GB).

(72) Inventors; and

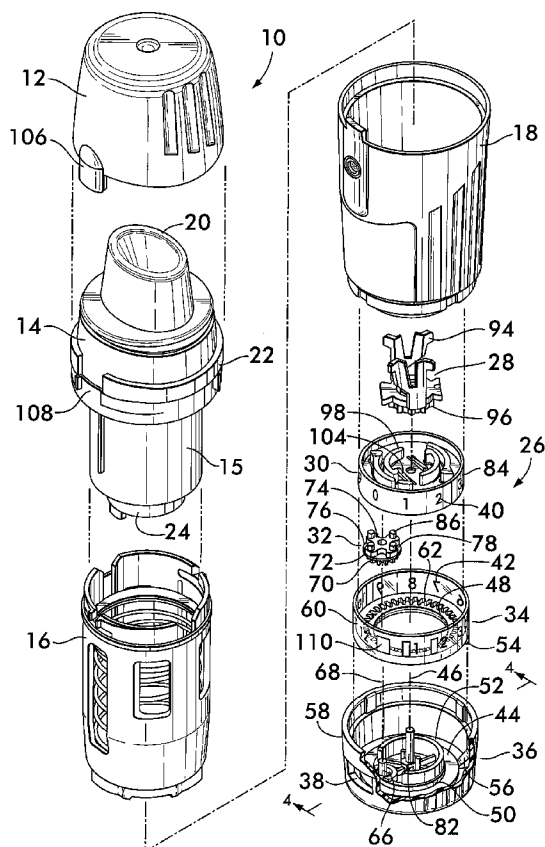
(75) Inventors/Applicants (for US only): **BUTTERWORTH, Noel** [GB/GB]; Sanofi-aventis, London Road, Holmes Chapel, Cheshire CW4 8BE (GB). **MINSHULL, Stephen, John** [GB/GB]; Sanofi-aventis, London Road, Holmes Chapel, Cheshire CW4 8BE (GB). **WELLS, Simon, Paul** [GB/GB]; Pankhurst Design & Development, 85-87 Richford Street, London W6 7HJ (GB). **YOUNG, Duncan, Grant** [GB/GB]; Pankhurst Design & Development, 85-87 Richford Street, London W6 7HJ (GB).

(74) Agents: **JONES, Stephen** et al.; Adamson Jones Biocity Nottingham, Pennyfoot Street, Nottingham, Nottinghamshire NG1 1GF (GB).

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(54) Title: MECHANICAL DOSES COUNTER FOR A POWDER INHALER



(57) Abstract: A rotatably actuated counter (26) is disclosed. The counter includes a ratchet driven unit wheel (30) nested within a tens wheel (34). Each wheel has a radial face (84;60) displaying counting indicia (40;42). The tens wheel is transparent, allowing the indicia on the unit wheel to be viewed adjacent to the indicia on the tens wheel to provide a total count. A slave wheel (32) is positioned between the unit and tens wheels. A gear (70) on one face (72) of the slave wheel engages gear teeth (62) on the tens wheel. A Geneva mechanism (74) on the other face (76) is engaged by a foot (80) on the unit wheel once per rotation. The wheels are rotatably mounted within housing (36) having a sidewall (58) with a window (38) through which the count indicia (15) may be viewed. The unit wheel rotates in ten increments and then rotates the tens wheel through one increment by engaging and rotating the slave wheel.



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