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(71) Applicant (for all designated States except US): **KCC GROUP LIMITED** [GB/GB]; 111 Windmill Road, Sunbury on Thames, Middlesex TW16 7EF (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PARKINSON, David, John** [GB/GB]; Arodene, Walton-in-Gordano, Clevedon, North Somerset BS21 7AR (GB).

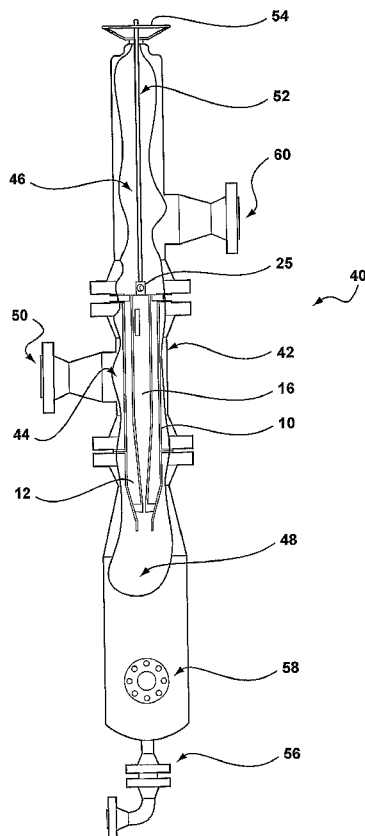
(74) Agent: **AKERS, Noel, James**; N.J Akers & Co., Grey Friars, Spring Road, Harpenden, Hertfordshire AL5 3PP (GB).

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(54) Title: CYCLONE ASSEMBLY AND METHOD FOR INCREASING OR DECREASING FLOW CAPACITY OF A CYCLONE SEPARATOR IN USE



(57) Abstract: A cyclone separator (40) includes a housing (42), in which a cyclone assembly (10) is contained. The housing (42) has an inflow chamber (44), an overflow chamber (46) and a discharge chamber (48). The cyclone assembly (10) has an inner cyclone liner (16) positioned concentrically within a cyclone chamber (12). A displacement means (52) is provided for displacing the inner cyclone liner (16) axially from an operative position in the cyclone chamber (12) to an inoperative position in the overflow chamber (46) of the housing (42). The cyclone chamber (12) has a larger internal diameter than the inner cyclone liner (16), therefore, when the inner cyclone liner is moved to the inoperative position, the flowrate through the cyclone assembly is increased.

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