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(72) Inventor; and

(75) Inventor/Applicant (for US only): **HARRIS, Mark** [GB/GB]; c/o Qualcomm (UK) Limited, Spectrum Point, 2nd Floor, 279 Farnborough Road, Farnborough, Hampshire GU14 7LS (GB).(74) Agents: **WHITTEN, George, Alan** et al.; R G C Jenkins & Co, 26 Caxton Street, London SW1H 0RJ (GB).

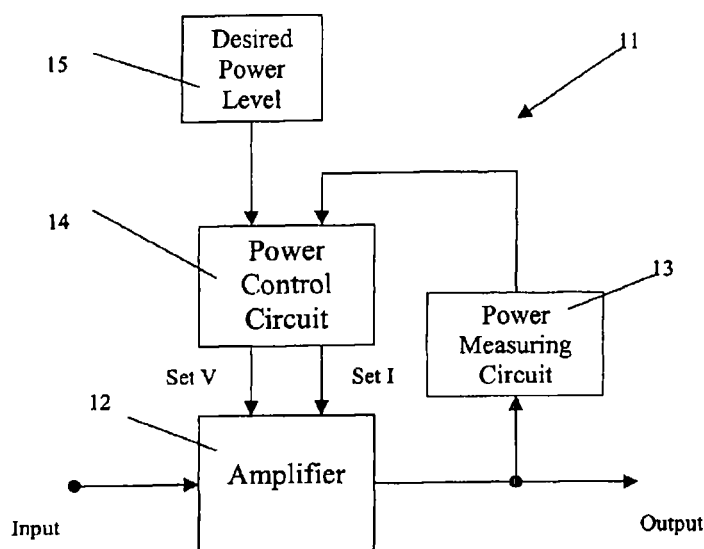
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(54) Title: **AMPLIFIER CIRCUIT**

(57) Abstract: An amplifier circuit (11) comprises an amplifier (12), an indicator of desired power (15), a power control circuit (14) and a power measuring circuit (13). The amplifier (12) amplifies an input signal to produce an output signal, and has an input for controlling a supply current (I) and an input for receiving a supply voltage (V) and supply current (I), for driving the amplifier. The power control circuit calculates and applies values for both a supply voltage (V) and a supply current (I), according to any one of a plurality of desired power levels, in order to operate the amplifier with maximum efficiency over a wide range of power levels. The power control circuit may further comprise a power control loop whereby adjustment of the output power can also be effected according to a measurement of output power and a desired level of output power.

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