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(71) Applicant (for all designated States except US):
TRANSOCEAN SEDCO FOREX VENTURES LIMITED [—/US]; Four Greenway Plaza, Houston, TX 77046 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BOURGEAU, Edward Peter, Kenneth** [CA/US]; 14727 Kellywood Lane, Houston, TX 77079 (US).

(74) Agents: **SIMPSON, Jan, K.** et al.; Fulbright & Jaworski L.L.P., Fulbright Tower, 1301 McKinney, Suite 5100, Houston, TX 77010-3095 (US).

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(54) Title: IMPROVED DC BUS REGULATOR

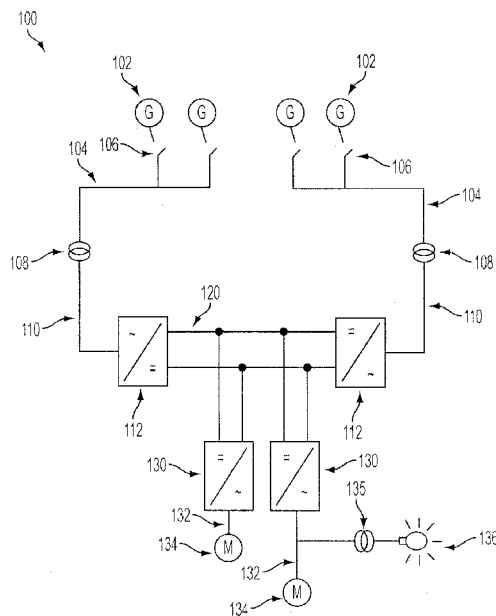


FIG. 1

(57) Abstract: An improved DC bus regulator that utilizes more transistor packs for power conversion at some times and diode, SCR, and resistor packs at other times. The conversion technology is selected by the regulator based on the current load capacity and response required. For example, transistor packs may be used in low power load conditions. Through use of this hybrid system, the system obtains the desirable effects of transistor pack systems including fast response time, ability to regulate current, and bi-directional power conversion while mitigating the high costs and fragile nature of a system based solely on transistor packs.



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