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(71) Applicant *(for all designated States except US)*: **WARTSILA NORWAY AS** [NO/NO]; Rubbestadneset, 5420 Rubbestadneset (NO).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **ROGNE, Terje** [NO/NO]; O.J. Aalmosvei 26a, 7023 Trondheim (NO).

(74) Agent: **PROTECTOR IP CONSULTANTS AS**; P.O.Box 5074 Majorstuen, NO-0301 Oslo (NO).

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(54) **Title**: ELECTRONIC DC CIRCUIT BREAKER

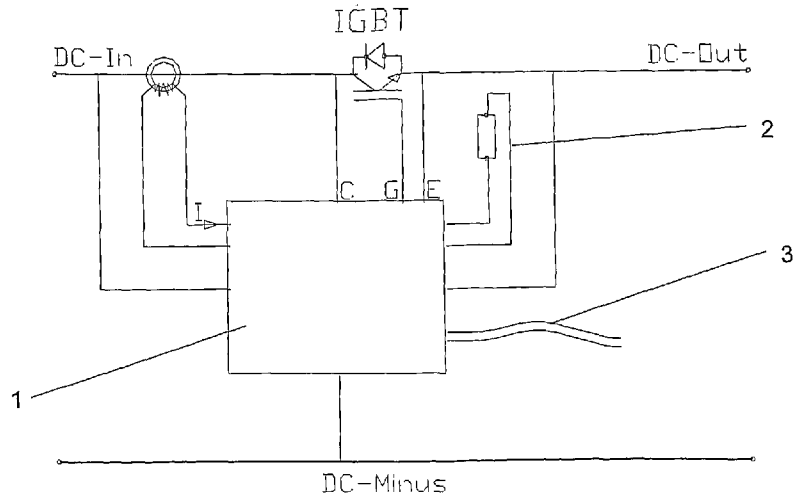


Fig. 1

(57) **Abstract**: The present invention relates to a device for connecting and breaking DC power comprising an input DC power (DC-In) arranged to be connected to a circuit board (1) and to the collector port (C) of an insulated gate bipolar transistor (IGBT). The insulated gate bipolar transistor (IGBT) is arranged to be connected to the circuit board (1). An output DC power (DC-Out) is arranged to be connected to the emitter port (E) of the insulated gate bipolar transistor (IGBT) and the circuit board (1),. The circuit board (1) is arranged to be connected to the gate port (G) of the insulated gate bipolar transistor (IGBT) and the circuit board (1) is designed to monitor predetermined conditions of the input and output DC power (DC-In, DC-Out).

WO 2009/104971 A1