

(12) **United States Patent**  
**Bungo**

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(54) **CONTROL APPARATUS FOR GENERAL PURPOSE MACHINE**

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See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 114 days.

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(57) **ABSTRACT**

In an apparatus for controlling a general purpose engine having a choke valve, a choke valve opening/closing mechanism, a choke valve opening regulating mechanism, a heater and a heater connection terminal, it is configured to detect temperature of the general purpose engine, to determine whether the heater is connected to the heater connection terminal, and to control operation of the choke valve opening/closing mechanism based on the detected temperature to open/close the choke valve when it is determined that the heater is connected to the heater connection terminal, while informing a user to manually open/close the choke valve by a manual opening/closing mechanism when it is determined that the heater is not connected to the heater connection terminal.

(52) **U.S. Cl.**

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**10 Claims, 8 Drawing Sheets**

