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- **KATOU Tomohisa**
Tsukuba-shi
Ibaraki 305-8568 (JP)
- **NAGAI Ichiro**
Tsukuba-shi
Ibaraki 305-0033 (JP)
- **MIURA Tomonori**
Tsukuba-shi
Ibaraki 305-8568 (JP)

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(71) Applicants:
• **Fujikura Ltd.**
Tokyo 135-8512 (JP)
• **National Institute of Advanced Industrial Science and Technology**
Tokyo 100-8921 (JP)

(74) Representative: **HOFFMANN EITLE**
Patent- und Rechtsanwälte
Arabellastrasse 4
81925 München (DE)

(72) Inventors:
• **KAMATA Hiroyuki**
Sakura-shi
Chiba 285-8550 (JP)

(54) **APPARATUS AND METHOD FOR PRODUCTION OF ALUMINUM NITRIDE SINGLE CRYSTAL**

(57) The invention is an apparatus for production of an aluminum nitride single crystal that produces the aluminum nitride single crystal by heating an aluminum nitride raw material to sublime the raw material, thereby to recrystallize the aluminum nitride onto a seed crystal, which includes a growth vessel that accommodates the aluminum nitride raw material, and is composed of a material that has corrosion resistance with respect to the aluminum gas generated upon sublimation of the aluminum nitride raw material, and a heating element that is arranged on the outside of the growth vessel, and heats the aluminum nitride raw material through the growth vessel, wherein the growth vessel includes a main body which has an accommodation section that accommodates the aluminum nitride and a lid which seals the accommodation section of the main body hermetically, and

wherein the heating element is composed of a metal material containing tungsten.

Fig.1

