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(71) Applicant *(for all designated States except US)*: **LAM RESEARCH AG** [AT/AT]; SEZ-Strasse 1, A-9500 Villach (AT).

(71) Applicant *(for BZ only)*: **LAM RESEARCH CORPORATION** [US/US]; 4650 Cushing Parkway, Fremont, California 94538 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **OBWEGER, Rainer** [AT/AT]; Lind im Drautal 198, A-9753 Lind im Drautal (AT). **WERFEL, Frank** [DE/DE]; Rittergut Adelwitz, 04886 Arzberg (DE).

(74) Agent: **KONTRUS, Gerhard**; SEZ-Strasse 1, A-9500 Villach (AT).

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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

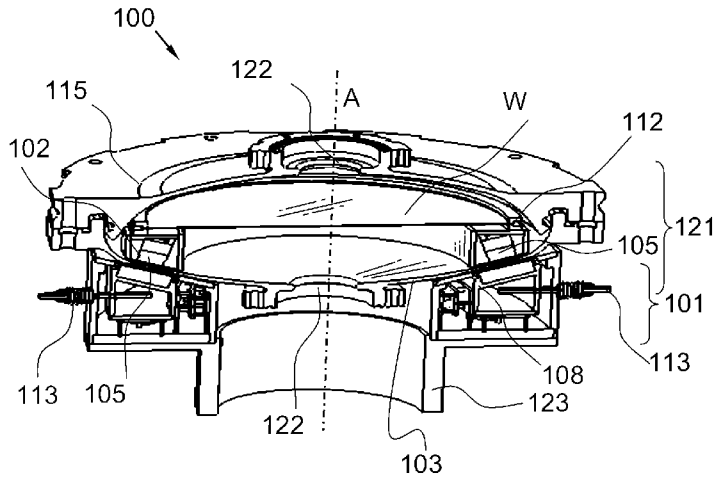
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

— *of inventorship (Rule 4.17(iv))*

[Continued on next page]

(54) **Title**: DEVICE FOR TREATING DISC-LIKE ARTICLES AND METHOD FOR OPARATING SAME

[Fig. 1a]



(57) **Abstract**: Disclosed is a device for supporting and rotating a disc-like article comprising: - a first rotor comprising a support for supporting the disc-like article, wherein the first rotor is located within a process chamber, - a second rotor connected to a drive mechanism for rotating the second rotor, wherein the second rotor is coupled to the first rotor by magnetic forces without touching the first rotor, and the second rotor is located outside the process chamber and a wall is arranged between the first rotor and the second rotor, and - at least one magnetic couple, wherein the couple comprises a first coupling part and a second coupling part, wherein the first coupling part comprises a coupling magnet (e.g. permanent magnet) mounted to the first rotor and the second coupling part comprises a high temperature superconducting material (HTS), wherein the magnetic couple(s) are arranged and/or formed in a way so that no degree of freedom remains between the first rotor and the second rotor so that the first rotor moves together with the second rotor. Furthermore a method to operate such device is disclosed.

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