

CLAIMS

1. A method of producing a polishing head including: a backing pad that is configured to hold a back surface of a workpiece and stuck on a lower portion of a rigid body; and a ring template that is configured to hold an edge of the workpiece and disposed on a lower surface of the backing pad, the polishing head being configured to bring a front surface of the workpiece into sliding contact with a polishing pad attached on a turn table while holding the back surface of the workpiece on the lower surface of the backing pad, the method comprising:

sticking the backing pad on the lower portion of the rigid body with a double-sided tape under a reduced pressure without heating the backing pad; and

subsequently sticking the template on the backing pad with a double-sided tape or a liquid or paste reaction curable adhesive containing no solvent under a reduced pressure without heating the template.

2. The method according to claim 1, wherein the step of sticking the backing pad includes sticking the backing pad by pressing the backing pad with a pressing component made of a porous material, and/or the step of sticking the template includes sticking the template by pressing the template with a pressing component made of a porous material.

3. The method according to claim 1 or claim 2, wherein the rigid body is a rigid ring, and the backing pad is stuck on the lower portion of the rigid ring such that a rubber film stuck on a lower surface of the rigid ring with a uniform tension is interposed therebetween.

4. A polishing apparatus comprising:
a polishing pad attached to a turn table;
a polishing agent supply mechanism configured to supply a polishing agent to the polishing pad;
a polishing head produced by the method according to any one of claims 1 to 3, the polishing apparatus being configured to hold a workpiece with the polishing head and bring a front surface of the workpiece into sliding contact with the polishing pad attached to the turn table, whereby the workpiece is polished.

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1. A method of producing a polishing head including: a backing pad that is configured to hold a back surface of a workpiece and stuck on a lower portion of a rigid body; and a ring template that is configured to hold an edge of the workpiece and disposed on a lower surface of the backing pad, the polishing head being configured to bring a front surface of the workpiece into sliding contact with a polishing pad attached on a turn table while holding the back surface of the workpiece on the lower surface of the backing pad, the method comprising:

sticking the backing pad on the lower portion of the rigid body with a double-sided tape under a reduced pressure without heating the backing pad; and

subsequently sticking the template on the backing pad with a double-sided tape or a liquid or paste reaction curable adhesive containing no solvent under a reduced pressure without heating the template, wherein the step of sticking the backing pad includes sticking the backing pad by pressing the backing pad with a pressing component made of a porous material, and/or the step of sticking the template includes sticking the template by pressing the template with a pressing component made of a porous material.

2. The method according to claim 1, wherein the rigid body is a rigid ring, and the backing pad is stuck on the lower portion of the rigid ring such that a rubber film stuck on a lower surface of the rigid ring with a uniform tension is interposed therebetween.