

Title (en)

Method of producing grinding or polishing device, grinding or polishing device produced according to the method, tool for carrying out the method and use of the grinding or polishing device.

Title (de)

Verfahren und Werkzeug zum Herstellen einer Schleif- oder Poliervorrichtung, so hergestellte Vorrichtung und Anwendung derselben.

Title (fr)

Procédé et outil de fabrication d'un dispositif de meulage ou de polissage, dispositif ainsi réalisé et son application.

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Application

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Priority

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Abstract (en)

The invention relates to a method of producing a grinding or polishing device comprising one or more grinding or polishing discs each formed of a rectangular sheet (1) which from its longitudinal edges (13, 14) is cut to a line (8) a distance from the longitudinal centre line (2), whereafter the sheet (1) is folded on this centre line (2) which is then folded and joined at the centre (10, 11) of the two opposed longitudinal edges (5, 6) for the formation of a central annular portion (12) consisting of two ring halves (13, 14) being joined at a folding edge (15) in that segments (9) produced by the cuts (7) extend radially in substantially two parallel levels (16, 17) from the central annular portion (12) where a string (18) is arranged between the ring halves (13, 14) along the edge of the central annular portion (12). According to the invention a string of a heat-activatable material (18) is used as string, said string (18) being heated so that it melts at least partially and spreads between the two ring halves (13, 14) which after cooling of the heat-activatable material are glued together for the formation of a reinforcement area (19) extending radially outwards from the folding edge to the radially innermost end of the segments (9). The invention also relates to a grinding or polishing device produced according to the method, a tool for carrying out the method, and the use of the grinding or polishing device.

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Citation (search report)

- [X] GB 2169227 A 19860709 - HANSEN & HUNDEBOL
- [X] WO 8201845 A1 19820610 - HUNDEBOL KELD O
- [A] US 4615151 A 19861007 - HUBER JOHANN [AT], et al
- [A] US 2680335 A 19540608 - EDWARD HURST
- [A] US 3043063 A 19620710 - PETERSON RUBEN O

Cited by

CN113123627A; US6015334A; CN1076651C; US6234887B1

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