

Title (en)

Process and device for manufacturing a polishing disc.

Title (de)

Verfahren und Vorrichtung zur Herstellung einer Scheibe zum Polieren.

Title (fr)

Procédé et dispositif pour la fabrication d'un disque de polissage.

Publication

**EP 0425872 B1 19950104 (DE)**

Application

**EP 90119664 A 19901013**

Priority

DE 3935285 A 19891024

Abstract (en)

[origin: EP0425872A2] The invention relates to a process for manufacturing a disc (15) for polishing or grinding display screens, comprising - a supporting plate (16) of elastomeric material and - a segmented polishing or grinding covering (21) of plastic, in particular of foamed plastic, the individual segments (22, 23, 24) being separated from one another by stelliformly and radially running grooves (25, 26, 27; 28, 29). The invention essentially comprises the following process steps: - the segments (22, 23, 24) are inserted into the cavities of the lower mould part of the rotation device; - after closing the rotation device, lower mould part and upper mould part are heated up; - the device is brought to a minimum rotational speed of 300 revolutions/minute; - the casting compound prepared in a mixing device, in particular based on a polyurethane elastomer, is mixed with a crosslinking agent; - after adding the crosslinking agent, the casting compound is brought as quickly as possible into the charging opening of the rotation device, from which it pours under the influence of the centrifugal force, while at the same time displacing air and undergoing crosslinkage, into the recesses within the upper mould part which form the supporting plate. o

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