

Title (en)

METHOD FOR ENGRAVING PRINTING CYLINDERS

Title (de)

VERFAHREN ZUR GRAVUR VON DRUCKZYLINDERN

Title (fr)

PROCEDE DE GRAVURE DE CYLINDRES D'IMPRESSION

Publication

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Application

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Abstract (en)

[origin: DE19952995A1] The invention relates to a method for engraving printing cylinders in an electronic engraving machine. An engraving control signal (GS) is formed from an image signal representing the tone values of the cup shapes to be engraved, and a periodic raster signal (R) for producing a printing raster. An engraving tool (4) of an engraving mechanism (3) that is controlled by the engraving control signal (GS) engraves a printing mould (8) in a rotating printing cylinder (1) in the form of cup shapes arranged in the printing raster. The operability of the engraving tool (4) is constantly monitored in an engraving tool monitoring device (23) while the rotating cylinder (1) is being engraved, by digitally filtering the engraving control signal (GS), especially by means of fast fourier transformation. In the event that damage is detected, especially a break in the engraving tool (4), a control signal (KS) that interrupts the engraving process or acoustically or optically signals the damage is produced.

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