

Title (en)

Rational process for the deacidification of books and other paper products without pollution.

Title (de)

Rationelles Verfahren zur umweltfreundlichen Massenentsäuerung von Büchern und anderen Papiererzeugnissen.

Title (fr)

Procédé rationnel de désacidification non polluante et dans la masse de livres et autres produits papetiers.

Publication

EP 0386436 B1 19940413 (DE)

Application

EP 90101632 A 19900127

Priority

DE 3904111 A 19890211

Abstract (en)

[origin: EP0386436A2] In a process and equipment for the bulk deacidification of books and other printing and paper products without pollution, with predrying of these products by high-frequency radiation in vacuo, subsequent application of a neutralisation treatment with solutions for deacidification, followed by drying-off of the solvents used, likewise by high-frequency radiation in vacuo, preferably a single treatment chamber (1) is used for predrying, neutralisation and drying-off, the interior of the treatment chamber can be exposed to the HF microwave radiation of a generator (2), and devices (4, 8, 9; 10 to 19 and 5) for introducing and discharging the solutions, for evacuation and for non-polluting precipitation of the vapours from the waste air arising in drying-off are connected, in a closed movable installation, to the chamber (1). The process and the equipment allow rapid and efficient and nevertheless non-polluting bulk deacidification with recovery of the solvents. <IMAGE>

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