

Title (en)

Process and apparatus for deacidifying books

Title (de)

Verfahren und Vorrichtung zum Entsäuren von Büchern

Title (fr)

Procédé et dispositif de déacidification de livres

Publication

EP 1283300 B1 20120912 (DE)

Application

EP 02012965 A 20020701

Priority

DE 10139517 A 20010810

Abstract (en)

[origin: EP1283300A2] To neutralize the acid in books, a processing chamber (1) takes the books half-opened on their spines to give free-projecting pages (6) in a fan. The pages are initially flushed with a water droplets/air mixture (11) in an underpressure, and then blown with a mixture (12) of air and an active substance in an overpressure. The water droplet/air mixture is heated to a maximum of 50 degrees C and preferably a maximum of 40 degrees C. The overpressure in the chamber, during blowing, is at least 1500 mbar and preferably at least 2000 mbar. The books are passed to a chamber (14) to dwell in a controlled atmosphere to cure the active substances. On removal, the pages have a pH value of ≤ 7.5 . The active substance is preferably MgO powder.

IPC 8 full level

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