

Title (en)

PROCESS FOR EXTRACTING A FABRIC-IMPREGNATING SOLVENT AND APPARATUS FOR CARRYING IT OUT

Publication

EP 0022027 B1 19830921 (FR)

Application

EP 80400964 A 19800627

Priority

FR 7917187 A 19790703

Abstract (en)

[origin: EP0022027A1] 1. A process for the extraction of a solvent impregnating fabrics, in particular clothes after dry-cleaning, which consists in circulating warm air through these fabrics so as to evaporate the solvent, in cooling the air so as to condense the solvent fumes, and in reinjecting it in a closed circuit into the fabrics after heating, in which the following operations are carried out in sequence : a) in a first phase, called evaporation phase, the air is heated by a supply of heat to a temperature between 60 degrees C and 70 degrees C, before injecting it into the fabrics, and it is cooled on exit by passing it over a surface (4) the temperature of which is between 0 degrees C and +5 degrees C ; b) in a second phase, called deodorization phase, the air leaving the fabrics is cooled by passing it over aforesaid surface (4) the temperature of which is then maintained between -15 degrees C and -24 degrees C, and the heat supply is discontinued ; and in which the air cooling-surface (4) is itself cooled by the evaporation of refrigerating fluid in a thermodynamic machine, characterized in that in the first phase, cooling is achieved by injecting a predetermined flow of warm gaseous refrigerating fluid into the expanded refrigerated fluid admitted for evaporation, said flow being adjusted to the temperature of the evaporated fluid.

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