

Title (en)
SYSTEM AND METHOD FOR EXTRACTING WATER IN A DRY CLEANING PROCESS INVOLVING A SILICONE-BASED SOLVENT AND METHODS ENHANCING THE PROCESS OF CLEANING

Title (de)
SYSTEM UND METHODE ZUR WASSEREXTRAKTION IN EINEM TROCKENREINIGUNGSPROZESS MIT SILIKONBASIERTEM LÖSUNGSMITTEL UND METHODE ZUR VERBESSERUNG DES REINIGUNGSPROZESSES

Title (fr)
SYSTEME ET PROCEDE D'EXTRACTION D'EAU DANS UN PROCEDE DE NETTOYAGE A SEC DANS LEQUEL UN SOLVANT A BASE DE SILICONE EST UTILISE, ET PROCEDES AMELIORANT LE PROCEDE DE NETTOYAGE

Publication
EP 1194628 A1 20020410 (EN)

Application
EP 00947357 A 20000714

Priority
• US 0019206 W 20000714
• US 35321299 A 19990714
• US 35438799 A 19990714
• US 61660400 A 20000713

Abstract (en)
[origin: WO0106051A1] A system and method are provided for separating water from a solvent in a dry cleaning application. According to the invention, an inlet is capable of receiving a mixture of silicone-based dry cleaning fluid and water from a condenser of a dry cleaning apparatus. A chamber is coupled to the inlet for receiving the mixture from the inlet. A porous structure is positioned in the chamber for separating the dry cleaning fluid and the water. The dry cleaning fluid passes through pores in the porous structure. An outlet is coupled to the chamber to remove the dry cleaning fluid from the chamber in the substantial absence of the water. A system for cleaning articles comprised of circulating siloxane solvent through a basket, draining the basket into tanks, centrifuging the articles and then drying the articles and recovering the siloxane solvent, and then cooling the said articles and removing said articles. In addition, the ability to remove articles after centrifuging and transfer the articles to a recovery drier allows for greater efficiency.

IPC 1-7
D06F 43/08; **D06F 43/00**

IPC 8 full level
B01D 3/10 (2006.01); **B01D 5/00** (2006.01); **D06F 43/08** (2006.01); **B01D 17/022** (2006.01); **D06F 43/00** (2006.01)

CPC (source: EP KR)
D06F 34/24 (2020.02 - KR); **D06F 43/007** (2013.01 - EP KR); **D06F 43/081** (2013.01 - EP); **D06F 43/083** (2013.01 - KR); **D06F 43/085** (2013.01 - EP KR); **Y02B 40/00** (2013.01 - KR)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0106051 A1 20010125; **WO 0106051 A8 20020620**; AU 6098400 A 20010205; BR 0012416 A 20020604; CA 2378940 A1 20010125; EP 1194628 A1 20020410; HU P0202336 A2 20021128; IL 147538 A0 20020814; JP 2004512854 A 20040430; KR 20020031386 A 20020501; MX PA02000359 A 20020702; NO 20020196 D0 20020114; NO 20020196 L 20020314; PL 353585 A1 20031201; RU 2002103601 A 20030820

DOCDB simple family (application)
US 0019206 W 20000714; AU 6098400 A 20000714; BR 0012416 A 20000714; CA 2378940 A 20000714; EP 00947357 A 20000714; HU P0202336 A 20000714; IL 14753800 A 20000714; JP 2001511254 A 20000714; KR 20027000354 A 20020110; MX PA02000359 A 20000714; NO 20020196 A 20020114; PL 35358500 A 20000714; RU 2002103601 A 20000714