

Title (en)

METHOD AND DEVICE FOR REMOVING LIQUIDS FROM THE SURFACE OF A STRIP

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ENTFERNEN VON FLÜSSIGKEITEN VON DER OBERFLÄCHE EINES BANDES

Title (fr)

PROCEDE ET DISPOSITIF DESTINES A ELIMINER DES LIQUIDES DE LA SURFACE D'UNE BANDE

Publication

**EP 1737584 A1 20070103 (DE)**

Application

**EP 05716000 A 20050311**

Priority

- EP 2005002648 W 20050311
- DE 102004017216 A 20040405
- DE 102004037396 A 20040730

Abstract (en)

[origin: WO2005097361A1] The invention relates to a method for removing liquids from the surface of a strip. Said method is characterised in that the liquid is excited in such a way that it oscillates. The invention is based on the fact that the root of the problem relating to the removal of liquids from the surface of a strip lies in the adhesion forces. Said adhesion forces can be overcome by exciting the liquid in such a way that it oscillates. The oscillation causes the liquid to detach itself from the surface of the strip and the liquid can then be easily removed, for example, by suction by means of low pressure, blowing or stripping by means of a stripper.

IPC 8 full level

**B08B 5/00** (2006.01); **B08B 3/04** (2006.01); **B08B 7/02** (2006.01); **B21B 45/02** (2006.01)

CPC (source: EP US)

**B08B 3/041** (2013.01 - EP US); **B08B 5/00** (2013.01 - EP US); **B08B 7/02** (2013.01 - EP US); **B21B 45/0284** (2013.01 - EP US)

Citation (search report)

See references of WO 2005097361A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005097361 A1 20051020**; DE 102004037396 A1 20051020; EP 1737584 A1 20070103; JP 2007531628 A 20071108; RU 2006139040 A 20080520; US 2007199577 A1 20070830

DOCDB simple family (application)

**EP 2005002648 W 20050311**; DE 102004037396 A 20040730; EP 05716000 A 20050311; JP 2007505418 A 20050311; RU 2006139040 A 20050311; US 59961305 A 20050311