Title (en)

Device and method for treating textiles

Title (de)

Vorrichtung und Verfahren zur Behandlung von Textilien

Title (fr)

Dispositif et procédé pour le traitement des textiles

Publication

EP 0969131 A1 20000105 (EN)

Application

EP 99202091 A 19990628

Priority

- NL 1009525 A 19980630
- NL 1012194 A 19990531

Abstract (en)

Device for treating textile, comprising a tank (2) for holding treatment liquid (3), conveyor means (4) for conveying a textile substrate (7) which is to be treated through the tank (2), a transducer (8) for generating ultrasonic vibrations in the treatment liquid (3), an interference element (19) placed opposite the transducer for together delimiting a vibration cavity (13), wherein the transducer (8) together with the interference element (19) is designed to generate an interference pattern in the vibration cavity (13) of ultrasonic vibrations amplifying each other, in which a concentration area (11) of intensified vibration energy occurs at a distance from the transducer (8) and the interference element (19), in which the conveyor means (4) are designed to guide the textile substrate (7) through the concentration area (11), and in which energy of the ultrasonic vibrations is destined to dissipate by means of cavitation in the concentration area (11) at the location of the textile substrate (7). <IMAGE>

IPC 1-7 (main, further and additional classification)

D06B 13/00

IPC 8 full level (invention and additional information)

D06B 13/00 (2006.01)

CPC (invention and additional information)

D06B 13/00 (2013.01)

Citation (search report)

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- [A] FR 1562461 A 19690404
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Cited by

GB2430203A; WO2017025867A1

Designated contracting state (EPC)

AT CH DE ES IT LI NL

DOCDB simple family

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