Title (en)

Method of washing, rinsing and subsequent extraction of water from linen, and water extraction device.

Title (de)

Verfahren zum Waschen, Spülen und anschliessenden Entwässern von Wäsche sowie Entwässerungsvorrichtung.

Title (fr)

Procédé pour le lavage, le rinçage et l'expulsion subséquente de l'eau du linge et dispositif pour l'expulsion de l'eau.

Publication

EP 0026896 A1 19810415 (DE)

Application

EP 80105879 A 19800927

Priority

DE 2940217 A 19791004

Abstract (en)

[origin: ES8106186A1] In a laundering process which includes providing steam at high pressure, directly blowing the steam into fresh water in order to heat the water, and washing and rinsing laundry using the heated fresh water, the step of directly blowing is carried out by delivering at least part of the steam into the fresh water by directing that steam through the laundry which has been rinsed while subjecting the steam to a pressure reduction in a manner to cause the steam to extract rinse water from the laundry which has been rinsed, and conducting the steam and the extracted rinse water into the fresh water in order to heat the fresh water with accompanying condensation of the steam. Apparatus for extracting rinse water in the manner described above from laundry in a laundry plant in which laundry is washed and rinsed with water which has been heated by blowing steam into the water, the apparatus including: a pressure vessel having an open top and a bottom wall provided with perforations for the passage of water a container for holding water which will subsequently be used for washing and rinsing laundry outside of the vessel and arranged to receive water passing via the perforations in the vessel bottom wall a removable cover for closing the top of the vessel in a sealed manner and conduits connected for introducing steam into the vessel to enable the steam to pass through the bottom wall perforations and into the water holding container.

Abstract (de)

In gewerblichen Wäschereien wird das zum Waschen und Spülen verwendete Frischwasser durch direktes Einblasen von unter Überdruck stehendem Dampf aufgeheizt. Erfindungsgemäß wird ein Teil dieses Dampfes zum Entwässern der gewaschenen und gespülten Wäsche verwendet, indem er durch die gespülte Wäsche hindurch in einen Bereich niedrigeren, insbesondere atmosphärischen Druckes geführt wird. Dieser Teil des Dampfes wird dann mit dem mitgerissenen Spülwasser in dem für das Waschen und Spülen benötigten Frischwasser kondensiert, wodurch das mitgerissene Spülwasser wieder als Frischwasser zur Verfügung steht und das Frischwasser eine Aufheizung erfährt.

IPC 1-7

D06F 51/00; D06F 95/00

IPC 8 full level

D06F 47/00 (2006.01); **D06F 51/00** (2006.01); **D06F 95/00** (2006.01)

CPC (source: EP US)

D06F 51/00 (2013.01 - EP US); **D06F 95/00** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0026896 A1 19810415; **EP 0026896 B1 19830504**; AT E3216 T1 19830515; BR 8006383 A 19810414; CA 1120742 A 19820330; DD 153145 A5 19811223; DE 2940217 B1 19810219; DE 2940217 C2 19840517; DE 3062978 D1 19830609; DK 418180 A 19810405; ES 494982 A0 19810801; ES 8106186 A1 19810801; HU 178390 B 19820428; IL 61188 A0 19801130; IL 61188 A 19831130; JP S5657495 A 19810519; SU 1064872 A3 19831230; US 4332047 A 19820601; US 4386509 A 19830607; YU 233080 A 19840630

DOCDB simple family (application)

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