

Title (en)
Cloth processing apparatus.

Title (de)
Vorrichtung zum Behandeln von textilen Waren.

Title (fr)
Appareil de traitement de matières textiles.

Publication
EP 0600731 A1 19940608 (EN)

Application
EP 93309623 A 19931201

Priority
• JP 9478593 A 19930317
• JP 35527992 A 19921202

Abstract (en)
Inside of an airtight box (1) with a sucking slit (3) for sliding and passing a cloth (c) is maintained to low vacuum, and a washing liquid sucked by the sucking slit flows longitudinally through the cloth thereby the washing capability is improved with small power. A liquid in a washing tank sucked from a sucking slit through the top surface of the projecting rib into the airtight box passes through a line filter and circulated into the washing tank by a centrifugal pump. The pump is installed lower than the airtight box so that cavitation preventing function and low vacuum space forming function within the airtight box can be attained. An elastic flexible member sucked to the cloth sliding and moving on the top surface of the projecting rib by the vacuum sucking function of the sucking slit is supported by the support arm thereby liquid flow passing vertically through the cloth is prevented. In order to prevent storing of the contained air in the cloth within the airtight box, at least one apparatus is provided among an apparatus controlled by a level holding meter for suppressing the liquid level within the airtight box within the allowable variation range and an apparatus for squeezing contained air of the cloth between a roller and the airtight box into the liquid.

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D06B 3/20

IPC 8 full level
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CPC (source: EP KR)
D06B 3/203 (2013.01 - EP); **D06B 5/00** (2013.01 - KR); **D06B 23/02** (2013.01 - KR); **D06B 2700/36** (2013.01 - KR)

Citation (search report)
• [X] DE 2536111 B1 19770217 - KUESTERS EDUARD MASCHF
• [A] DE 1809305 A1 19700611 - VEPA AG
• [A] DE 2612264 A1 19761007 - MECCANOTESSILE DI FONTANA E LA
• [A] GB 1002097 A 19650825 - HANS FLEISSNER, et al
• [A] EP 0001063 A1 19790321 - BAYER AG [DE]

Cited by
ES2124149A1; CN114232245A; CN114831192A

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DE FR GB IT

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EP 0600731 A1 19940608; CN 1092831 A 19940928; KR 940015014 A 19940719; TW 249253 B 19950611

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EP 93309623 A 19931201; CN 93114734 A 19931202; KR 930026213 A 19931202; TW 82109929 A 19931125