

Title (en)
A waste cleaning fabric processing method

Title (de)
Verarbeitungsverfahren für gebrauchten Reinigungsstoff

Title (fr)
Procédé de traitement pour tissu de nettoyage

Publication
EP 1176010 B1 20071219 (EN)

Application
EP 01123457 A 19970312

Priority
• EP 97104146 A 19970312
• JP 8571196 A 19960314
• JP 22444496 A 19960806
• JP 30732196 A 19961031
• JP 33022496 A 19961127

Abstract (en)
[origin: EP0795402A1] Divided shaft members (6A,6B) constitute a cleaning fabric take-up shaft (6), and are secured at both ends by shaft member fixing means that is attached to a side plate. Shaft member fixing portions (10) include a shaft end supporter (11), for supporting the end of the shaft member; and a plug (13) that is fitted to a shaft receiving section. A wedge portion (12) is provided, which runs across the center of the shaft end supporter and is projected linearly. When this wedge portion is inserted between the shaft members, the diameter of the shaft is increased. At this time, the winding of the cleansing fabric is performed. To dispose of the wound cleaning fabric, the shaft members are detached from the shaft member fixing portions and the wedge is extracted from the shaft members, so that the diameter is reduced, and the cleaning fabric is disengaged from the shaft members. As a result, the cleaning fabric take-up shaft can be removed from the cleaning fabric roll. <IMAGE>

IPC 8 full level
B41F 35/00 (2006.01); **B65H 75/24** (2006.01); **B65H 75/28** (2006.01)

CPC (source: EP KR US)
B41F 35/00 (2013.01 - EP KR); **B65H 75/24** (2013.01 - EP KR US); **B65H 75/243** (2013.01 - EP KR US); **B65H 75/28** (2013.01 - EP); **B41P 2235/24** (2013.01 - EP); **B41P 2235/244** (2013.01 - EP); **B65H 2301/414225** (2013.01 - EP)

Cited by
FR2960228A1; CN105384010A; WO2008032206A3

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0795402 A1 19970917; EP 0795402 B1 20020710; CN 1168836 A 19971231; CN 1182960 C 20050105; CN 1282543 C 20061101; CN 1522857 A 20040825; DE 69713823 D1 20020814; DE 69713823 T2 20030313; DE 69738404 D1 20080131; DE 69738404 T2 20081204; EP 1176010 A1 20020130; EP 1176010 B1 20071219; KR 100373543 B1 20030509; KR 970064923 A 19971013

DOCDB simple family (application)
EP 97104146 A 19970312; CN 03145754 A 19970313; CN 97110920 A 19970313; DE 69713823 T 19970312; DE 69738404 T 19970312; EP 01123457 A 19970312; KR 19970008510 A 19970313