

Title (en)

Method for keeping clean the return springs of a shedding mechanism on looms and shedding mechanism

Title (de)

Verfahren zur Reinhaltung der Rückzugfedern an einer Fachbildeeinrichtung für Webmaschinen und Fachbildeeinrichtung

Title (fr)

Procédé pour tenir propre les ressorts de rappel d'un dispositif de formation de la foule pour métiers à tisser ainsi que dispositif de formation de la foule

Publication

**EP 1059373 B1 20021113 (DE)**

Application

**EP 00110588 A 20000518**

Priority

CH 100999 A 19990530

Abstract (en)

[origin: EP1059373A1] To keep the springs clean at a loom harness, to form the shed, a compressed air flow is directed at the return springs to prevent a build-up of dust and fiber debris on them. The draw springs are directly or indirectly at a compressed air channel at the lowering frame, connected to a compressed air supply. The compressed air stream is continuous at a constant pressure level and/or a pressure control compensates for air flow leakages. An Independent claim is included for a harness spring cleaning assembly where the harness springs (9) are directly or indirectly in the air flow path of compressed air from a compressed air channel (12) at the lowering frame (11), linked to a compressed air supply. The air flows at the return springs prevent a build-up of dust or fiber debris on them Preferred Features: The compressed air channel (12) at the lowering frame (11) is defined by the upper seal and spring system (13) and the base (10) of the lowering frame (11). The base (14) of the compressed air channel can be raised and lowered, to alter the pressure of the compressed air flow by changing the cross section of the channel (12). The draw springs (9) are tightly against the flow, directly or indirectly at the base (10) of the lowering frame (11), as part of the compressed air channel (12), or there is an intermediate tube to hold the springs directly or indirectly at the base (10) of the lowering frame (11).

IPC 1-7

**D03C 3/44**; **D03J 1/00**

IPC 8 full level

**D03C 3/44** (2006.01); **D03J 1/00** (2006.01)

CPC (source: EP US)

**D03C 3/44** (2013.01 - EP US); **D03J 1/002** (2013.01 - EP US)

Cited by

EP1270779A1; FR2825723A1; CN1308518C; US6769458B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1059373 A1 20001213**; **EP 1059373 B1 20021113**; AT E227786 T1 20021115; DE 50000745 D1 20021219; US 6289937 B1 20010918

DOCDB simple family (application)

**EP 00110588 A 20000518**; AT 00110588 T 20000518; DE 50000745 T 20000518; US 58083500 A 20000530