Title (en)

Pneumatic thread clamp and device for detaching a weft thread from the beat-up line on weaving looms with such a clamp.

Title (de)

Pneumatische Fadenklemme und Vorrichtung zum Lösen eines Schussfadens aus der Anschlagkante an Webmaschinen mit solcher Klemme.

Title (fr)

Pince pneumatique pour fil et dispositif de détachement d'un fil de trame de la ligne de battage sur les machines à tisser, mettant en oeuvre une telle pince.

Publication

**EP 0309012 A1 19890329 (FR)**

Application

**EP 88201571 A 19880720**

Priority

BE 8700834 A 19870728

Abstract (en)

The pneumatic clamp, e.g for a thread in a weaving machine, consists of a tubular suction element (2) with a closed tip (6) and a suction intake (3) which is able to interact with a single thread (4). A guide surface (5) directs the thread into position in front of the intake. The guide surface is in the form of a V-section recess, with the intake in the base of the V. the suction can be provided by a single suction channel inside the tubular element, or by two channels - one an air feed channel and the other a return channel shaped to create the suction at the intake orifice. The clamp can also be equipped with a sensor element to detect a thread in front of the intake.

Abstract (fr)

Pince pneumatique pour fil. Cette pince est constituée essentiellement d'un élément d'aspiration (2) pourvu d'au moins un orifice d'aspiration (3), pouvant interagir avec un et un seul fil (4), et d'un dispositif guide-fil (5) capable d'amener le fil (4) devant l'orifice d'aspiration (3).

IPC 1-7

**B65H 63/08**

IPC 8 full level

**B65H 63/08** (2006.01); **D03D 51/08** (2006.01)

CPC (source: EP)

**B65H 63/088** (2013.01); **D03D 51/085** (2013.01); B65H 2701/31 (2013.01)

Citation (search report)
- [A] DE 954490 C 19561220 - REINERS WALTER DR ING
- [A] DE 3517117 A1 19861113 - SAHM GEORG FA [DE]

Cited by

EP0336388A3; EP0458736A1; US5158120A

Designated contracting state (EPC)

CH DE FR IT LI

DOCDB simple family (publication)

**EP 0309012 A1 19890329**; **EP 0309012 B1 19911127**; BE 1000791 A4 19890404; DE 3866492 D1 19920109

DOCDB simple family (application)

**EP 88201571 A 19880720**; BE 8700834 A 19870728; DE 3866492 T 19880720