

Title (en)

Apparatus for perforating a web.

Title (de)

Vorrichtung zum Perforieren eines blattartigen Produktes.

Title (fr)

Dispositif pour perforer un produit en feuille.

Publication

**EP 0400249 B1 19940601**

Application

**EP 89420086 A 19890309**

Priority

FR 8801004 A 19880119

Abstract (en)

[origin: EP0400249A1] The invention relates to a fixed injector (3) - (8) - (9) conveying water under pressure for the purpose of working a web (1) of nonwoven or the like. The microperforated plate (5) makes it possible for the injector (3) - (8) - (9) to convey needles of water (7) onto the web (1). A perforated cylinder (14) which does not touch the web (gap 17) can be interposed. The invention is used for the microperforation of dots or slits in various materials, including plastic, in the form of flexible webs. <IMAGE>

IPC 1-7

**D04H 1/44**; **B26F 1/26**

IPC 8 full level

**B26F 1/26** (2006.01); **D04H 1/46** (2006.01); **D04H 18/04** (2012.01)

CPC (source: EP)

**B26F 1/26** (2013.01); **D04H 18/04** (2013.01)

Cited by

US5727292A; US10857093B2; US11052231B2; US10195409B2; US9962534B2; US10238848B2; US10384046B2; US11565097B2; US6699353B1; US10245422B2; US11110259B2; US9687641B2; US10384045B2; US10624843B2; US11419816B2

Designated contracting state (EPC)

DE GB IT NL SE

DOCDB simple family (publication)

**FR 2625937 A1 19890721**; **FR 2625937 B1 19930430**; EP 0400249 A1 19901205; EP 0400249 B1 19940601

DOCDB simple family (application)

**FR 8801004 A 19880119**; EP 89420086 A 19890309