Title (en)

FLUID-JET CUTTING MACHINE FOR WEBS

Publication

EP 0145527 B1 19880120 (FR)

Application

EP 84402081 A 19841016

Priority

FR 8316466 A 19831017

Abstract (en)

[origin: ES8602470A1] The cutter uses a jet of fluid delivered from a nozzle under high pressure to cut a strip of material. The cutting nozzle (22) can be displaced in either sense in a direction (Y) transverse to the length of the strip. The strip can be displaced in either sense in the direction (X) of its length by a drive mechanism (44). By control of both X and Y displacement objects of various forms (32) may be cut from the strip. - The strip is held under a transparent guide (36) on the feed side of the cutter to hold it flat during displacement in the during displacemendirection of the strip, and fluid is injected below the strip in this region to float it above the support surface. The cut piece (32) is delivered to a photo electric barrier (120) which stops delivery to allow removal of the cut piece.
[origin: ES8602470A1] The cutter uses a jet of fluid delivered from a nozzle under high pressure to cut a strip of material. The cutting nozzle (22) can be displaced in either sense in a direction (Y) transverse to the length of the strip. The strip can be displaced in either sense in the direction (X) of its length by a drive mechanism (44). By control of both X and Y displacement objects of various forms (32) may be cut from the strip. - The strip is held under a transparent guide (36) on the feed side of the cutter to hold it flat during displacement in the during displacemendirection of the strip, and fluid is injected below the strip in this region to float it above the support surface. The cut piece (32) is delivered to a photo electric barrier (120) which stops delivery to allow removal of the cut piece.

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B26F 3/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

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EP 0145527 A2 19850619; **EP 0145527 A3 19850710**; **EP 0145527 B1 19880120**; DE 3468829 D1 19880225; ES 536799 A0 19851201; ES 8602470 A1 19851201; FR 2553330 A1 19850419; FR 2553330 B1 19880422; US 4620466 A 19861104

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