

Title (en)

Cutting equipment for superimposed continuous forms

Title (de)

Schneidvorrichtung für übereinanderliegende Endlosformularen

Title (fr)

Dispositif de coupe pour des bandes de formulaires superposées

Publication

EP 1741653 A1 20070110 (EN)

Application

EP 06116255 A 20060628

Priority

IT TO20050460 A 20050630

Abstract (en)

A cutting equipment (69) for two continuous paper forms (71, 72) in upper-lower relationship, comprising two dragging devices (97h, 97i) for dragging the forms toward a common area of cutting (CA), a cutting device (98) operative on the area of cutting and an electronic control unit (109) for actuating the dragging devices and the cutting device in intermittent way. The equipment (69) further comprises two loop locating structures (103h, 103i) at different heights for delimiting two respective loops (Lph, Lpl) in the paper forms (71, 72), upstream from the dragging devices (97h, 97i) and two introduction devices (106h, 106i) engageable with the entering forms (71, 72) and actuatable for moving the entering forms toward the locating structures (103h, 103i). Two loop sensors (104h, 104i) supply loop signals associated, for instance, to a reference length (Lrh, Lrl) of the loops (Lph, Lpl), while the electronic unit (109) controls the introduction devices (106h, 106i) in response to the signals from the loop sensors (104h, 104i) to reduce the variations of velocity of the entering forms (71, 72) jointly with the operation of the cutting device (98).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] US 5768959 A 19980623 - LORENZO JOHN L [US]
- [A] DE 8504658 U1 19850627

Cited by

EP2340918A1; ITBO20100164A1; ITTO20091062A1; EP2796397A1; US10106356B2; WO2011114282A1; US8308153B2; WO2011015594A1; DE102009035956A1; EP2269823A1; EP2266814A2; EP2724967A1; US9016536B2

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