

Title (en)

Hardcopy apparatus and method for providing uniform pressure to hold down media

Title (de)

Druckgerät und Verfahren zur Erzeugung eines gleichmässigen Druckes zum Niederhalten von Druckmedien

Title (fr)

Dispositif d'impression et procédé pour produire une pression uniforme pour maintenir des medias en bas

Publication

EP 0997308 A3 20001025 (EN)

Application

EP 99102977 A 19990215

Priority

- EP 99102977 A 19990215
- EP 98120706 A 19981030

Abstract (en)

[origin: EP0997308A2] A hardcopy apparatus comprising a media holddown unit, having a platen (400), and a vacuum source (700) for generating negative pressure on a medium positioned on said platen (400) to keep it flat on said platen (400), the unit comprises at least two vacuum chambers (382, 383, 690, 691, 692, 693), both in air communication with the vacuum source. Each of said vacuum chambers (382, 383, 690, 691, 692, 693) can apply a negative pressure to a different portion of the medium positioned on a corresponding different region of the platen. A method for holding down a medium when placed on said platen. First the vacuum source is placed into independent air communication with a number of distinct regions of the platen, then the medium is positioned to cover one or more regions of the platen, and finally a negative pressure is applied to the back of the medium via the independent air communication. <IMAGE> <IMAGE>

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IPC 8 full level

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CPC (source: EP)

B41J 11/0085 (2013.01); **B41J 13/22** (2013.01); **B41J 13/226** (2013.01)

Citation (search report)

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- [X] US 5414491 A 19950509 - BRYANT ROBERT C [US]
- [A] EP 0409596 A2 19910123 - SEIKO INSTR INC [JP]

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EP1642735A1; US2014085390A1; EP1182040A1; EP1642728A3; US7578629B2; US7384036B2; US6927841B2; JP2006103327A

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