



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 147 891 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
17.04.2002 Bulletin 2002/16

(51) Int Cl.7: **B41F 15/38, B41C 1/14**

(43) Date of publication A2:
24.10.2001 Bulletin 2001/43

(21) Application number: **00201648.3**

(22) Date of filing: **08.05.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

- **Ricco', Maurizio**
41042 Fiorano Modenese (Modena) (IT)
- **Fontanini, Corrado**
41042 Fiorano Modenese (Modena) (IT)
- **Franchini, Emmore**
41042 Fiorano Modenese (Modena) (IT)

(30) Priority: **14.05.1999 IT RE990062**

(71) Applicant: **Assoprint S.p.A.**
41042 Fiorano Modenese (Modena) (IT)

(74) Representative: **Corradini, Corrado et al**
Studio Ing. C. CORRADINI & C. S.r.l.
4, Via Dante Alighieri
42100 Reggio Emilia (IT)

(72) Inventors:
• **Monti, Giordano**
41042 Fiorano Modenese (Modena) (IT)

(54) **Method for preparing cylindrical screens for silk-screen printing, and a sectional printing unit equipped therewith**

(57) A method for preparing cylindrical screens for silk-screen printing, comprising the following operational steps: associating a flexible cylindrical tube piece (300), suitably taut circumferentially and longitudinally, with two identical opposing coaxial annular ring structures (1), and forming on said tube piece at least one decorative region, in which said association comprises the following operations: providing each of said annular structures with a totally extending outer circumferential seat which opens into the outer lateral face of the respective annular structure; mounting in said seats, as a precise fit, two inextensible flexible annular members, to rest against the respective shoulders of said seats; and permanently joining the end circumferential edges of said tube piece to the outer surfaces of said annular members.

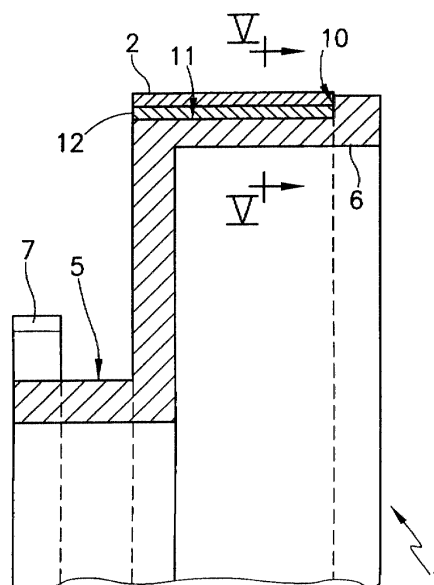


FIG. 4

EP 1 147 891 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 20 1648

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 4 044 669 A (LUTHER HARALD JOHAN) 30 August 1977 (1977-08-30) * the whole document *	1, 4	B41F15/38 B41C1/14
A	CH 467 673 A (ZIMMER PETER) 31 January 1969 (1969-01-31) * the whole document *	1, 4	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B41F
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		27 February 2002	Madsen, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03 82 (P44C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 20 1648

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-02-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4044669	A	30-08-1977	SE 382415 B	02-02-1976
			AT 341549 B	10-02-1978
			AT 399675 A	15-06-1977
			BE 829765 A1	15-09-1975
			CA 1038688 A1	19-09-1978
			CH 591953 A5	14-10-1977
			DE 2523113 A1	18-12-1975
			FR 2272838 A1	26-12-1975
			GB 1515142 A	21-06-1978
			HK 13779 A	30-03-1979
			IT 1038581 B	30-11-1979
			JP 51002515 A	10-01-1976
			NL 7506249 A	02-12-1975
			SE 7407201 A	01-12-1975
CH 467673	A	31-01-1969	AT 288446 B	15-01-1971
			NL 6807027 A	18-11-1968

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82