

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7215335

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MEDIATEK INC.	12/01/2021
RECEIVING PARTY DATA	
Name:	HFI INNOVATION INC.
Street Address:	3F.-7, NO.5, TAIYUAN 1ST ST.
City:	ZHUBEI CITY, HSINCHU COUNTY
State/Country:	TAIWAN
Postal Code:	302
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17641645
CORRESPONDENCE DATA	
Fax Number:	(404)521-4286
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	678-483-8899
Email:	dan.mcclure@mqlaw.com
Correspondent Name:	MCCLURE, QAULEY & RODACK LLP
Address Line 1:	280 INTERSTATE NORTH CIRCLE
Address Line 2:	SUITE 550
Address Line 4:	ATLANTA, GEORGIA 30339
ATTORNEY DOCKET NUMBER:	250848-1440
NAME OF SUBMITTER:	DANIEL R. MCCLURE
SIGNATURE:	/Daniel R. McClure/
DATE SIGNED:	03/09/2022
Total Attachments: 77	
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PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement ("Agreement") is made as of December 1, 2021 (the "Effective Date") by MediaTek Inc., a Taiwanese corporation having a place of business at No. 1 Dusing 1 Rd., Hsinchu Science Park, Hsinchu, Taiwan ("Assignor"), to HFI Innovation Inc., a Taiwanese corporation having a place of business at 3F.-7, No.5, Taiyuan 1st St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.) ("Assignee").

WHEREAS Assignor owns the patent(s) ("Patents") and patent applications ("Patent Applications") set forth in Exhibit A hereto; and

WHEREAS Assignee desires to acquire Assignor's entire right, title and interest in and to the Patents, Patent Applications, and the Future Patents (as hereinafter defined);

NOW, THEREFORE, in consideration of mutual covenants and agreements set forth below, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS. Assignor hereby irrevocably and unconditionally grants, conveys, transfers, and assigns to Assignee all of Assignor's right, title and interest in and to the Patents, the Patent Applications, the inventions disclosed therein, and all future patents that may issue from Patent Applications throughout the world, and all foreign counterparts, divisionals, continuations in whole or in part, reexaminations, reissues, substitutions or extensions of any of the preceding (collectively "Future Patents"), and the right to claim priority to any of the preceding, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, together with all claims for injunctive relief and damages by reason of past, present and future infringements of the Patents and Future Patents and the sole right to sue for and collect such damages or seek such injunctive relief, as permitted under the applicable laws for any jurisdiction or country in which such claims may be asserted. With respect to the sole right to sue assigned and transferred to Assignee, Assignor hereby expressly disclaims any and all rights to sue or otherwise enforce such Patents.

2. PAYMENT. As consideration for the assignment under this Agreement, Assignee shall convey to Assignor the amount of [REDACTED]

[REDACTED]

a) [REDACTED]

[REDACTED]



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b) [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

3. **ISSUANCE OF FUTURE PATENTS.** Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks Offices of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the Future Patents to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

4. **ASSISTANCE.** Assignor agrees to perform, without charge to Assignee (except as otherwise permitted herein), all acts deemed necessary or desirable by Assignee to permit and assist Assignee in perfecting and procuring the full benefits, enjoyment, rights, title and interest throughout the world in all Patents, Patent Applications and Future Patents, and the intellectual property rights therein assigned to Assignee hereunder. Such acts may include execution of documents, including any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers



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in connection therewith, assistance and cooperation in the registration of applicable intellectual property rights. [REDACTED]

[REDACTED]

5. **POWER OF ATTORNEY.** [REDACTED]

[REDACTED]

6. **DELIVERY.** [REDACTED]

[REDACTED]

7. **REPRESENTATIONS AND WARRANTIES.** Assignor represents and warrants that: (i) Assignor has full right, power, and authority to enter into this Agreement and to perform its obligations and duties under this Agreement, and that the performance of such obligations and duties does not and will not conflict with or result in a breach of any other agreements to which Assignor is a party or any judgment, order, or decree by which Assignor is bound; and (ii) Assignor owns all right, title, and interest in and to the Patents and Patent Applications, free and clear of any security interest, option, lien, license, or encumbrance of any nature.

8. **GENERAL.**

A. Notice. [REDACTED]

[REDACTED]



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[REDACTED]

B. Governing Law.

[REDACTED]

C. Remedies.

[REDACTED]

D. Waiver.

[REDACTED]

E. Severability.

[REDACTED]

F. Independent Contractors.

[REDACTED]

G. Construction.

[REDACTED]

H. Counterparts.

[REDACTED]

I. Entire Agreement. This Agreement, including the Exhibit A, sets forth the entire understanding of the parties relating to the subject matter hereof and supersedes all prior agreements and understandings between the parties relating to the subject matter hereof. This



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Agreement may not be amended, modified, altered, or supplemented other than by means of a written instrument duly executed and delivered on behalf of both parties.



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IN WITNESS WHEREOF, the parties have executed this Agreement on the date first above written.

Assignor:

MediaTek Inc.

By: _____

Name: David W. Su

Title: Corporate Vice President and General Counsel

Assignee:

HFI Innovation Inc.

By: _____

Name: Ta-Wei Ku

Title: Director



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EXHIBIT A
PATENTS AND PATENT APPLICATIONS
(PLEASE SEE ATTACHED)

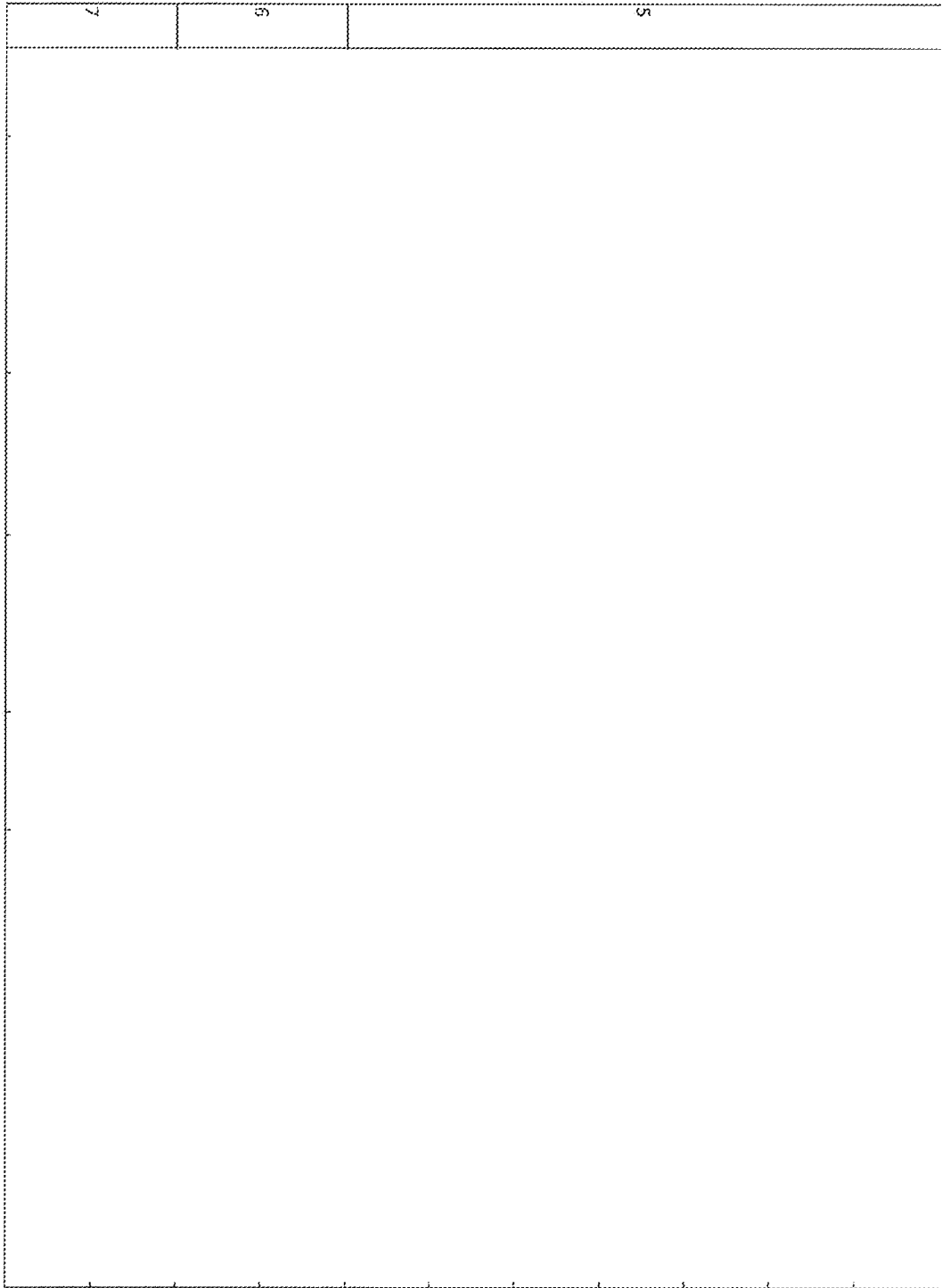


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EXHIBIT A

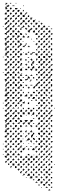
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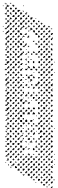
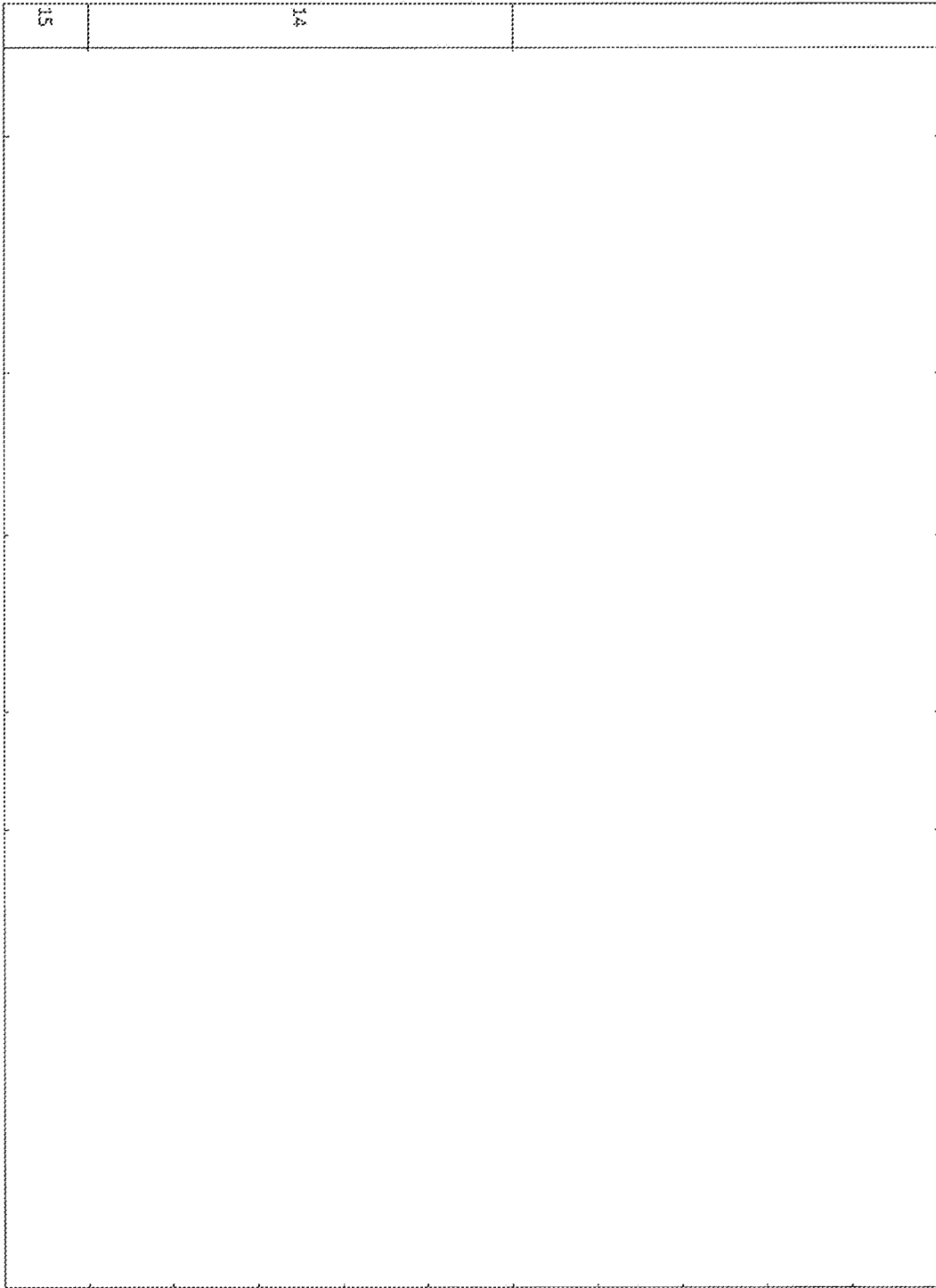
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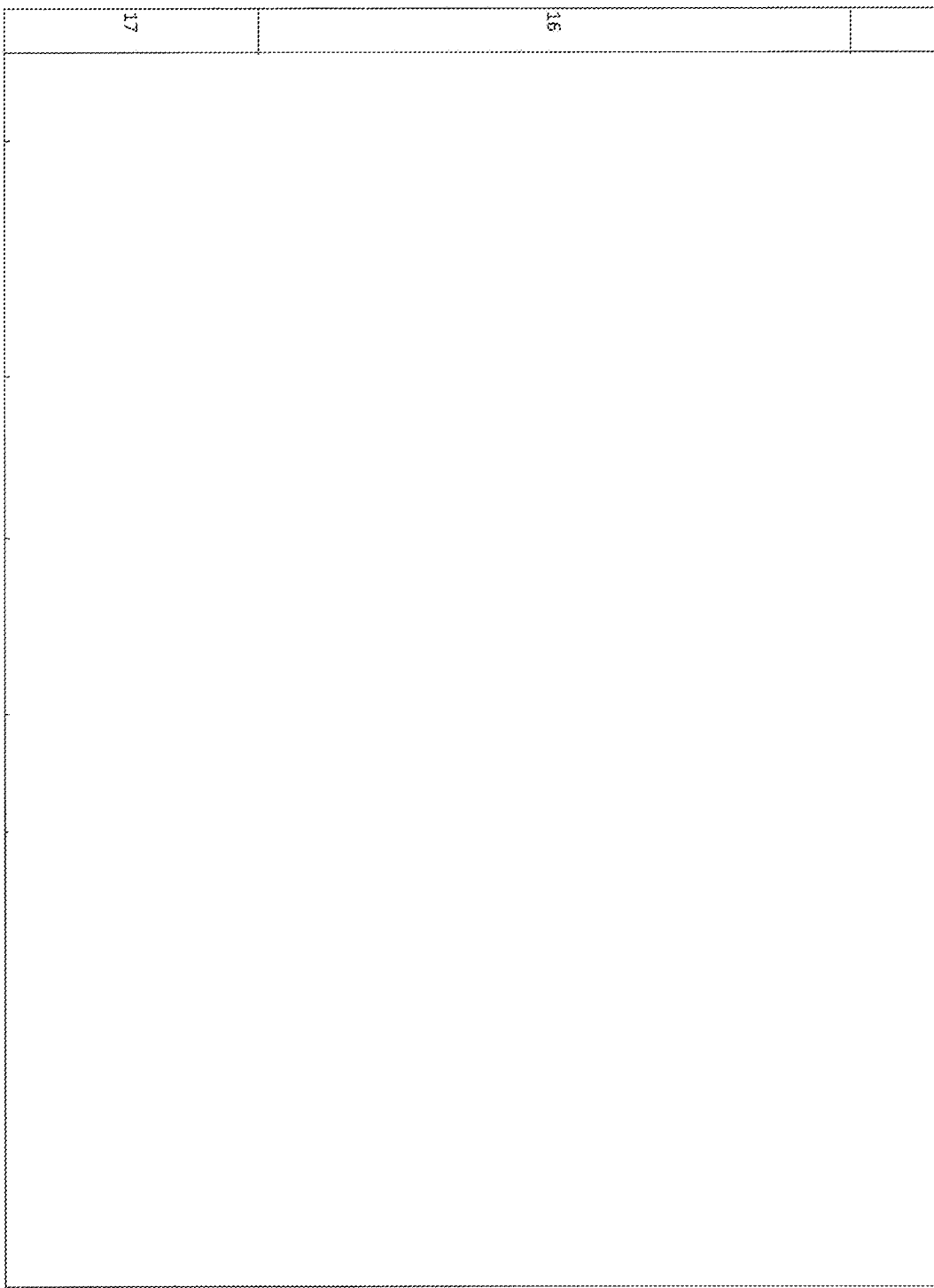
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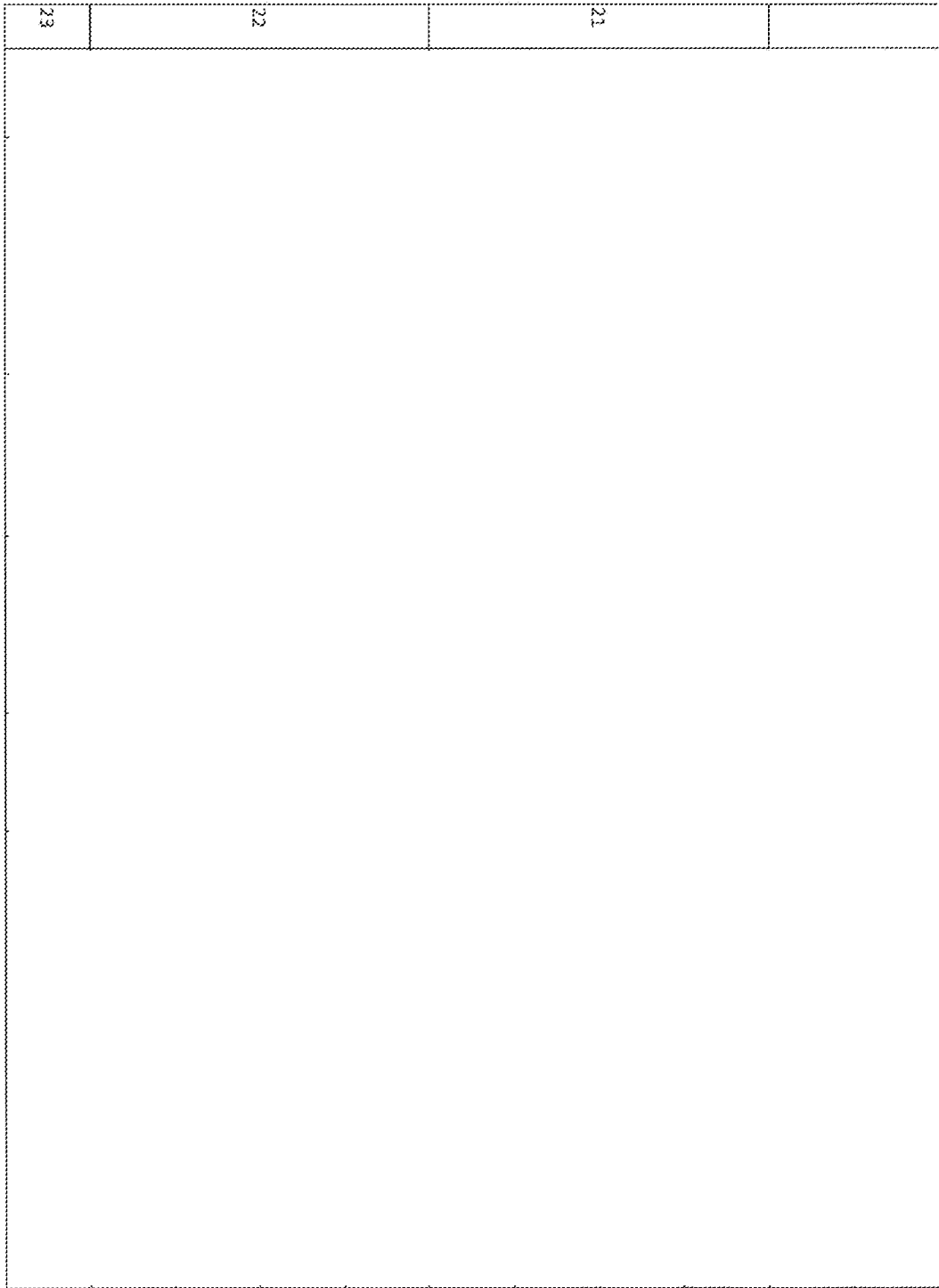
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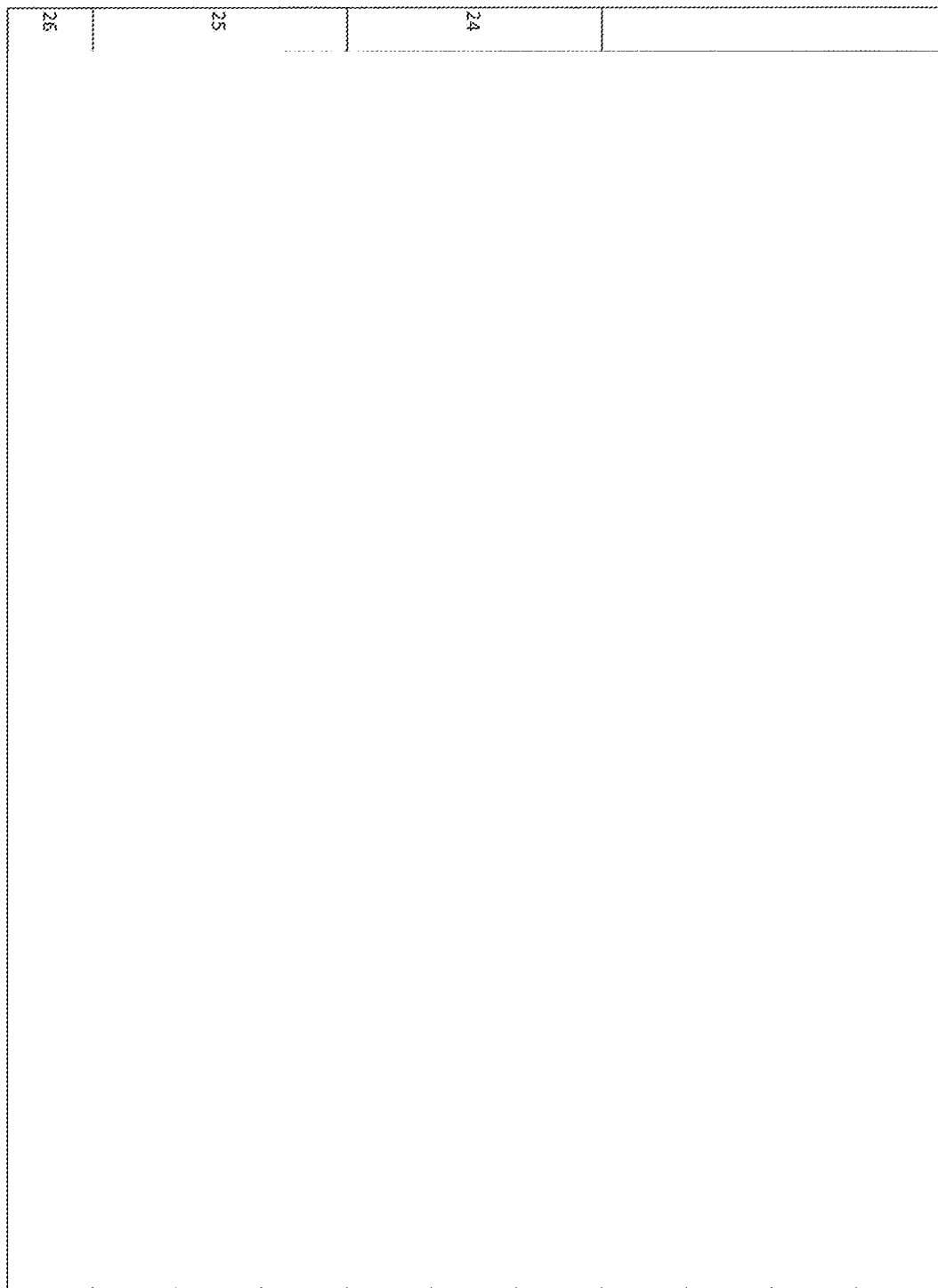
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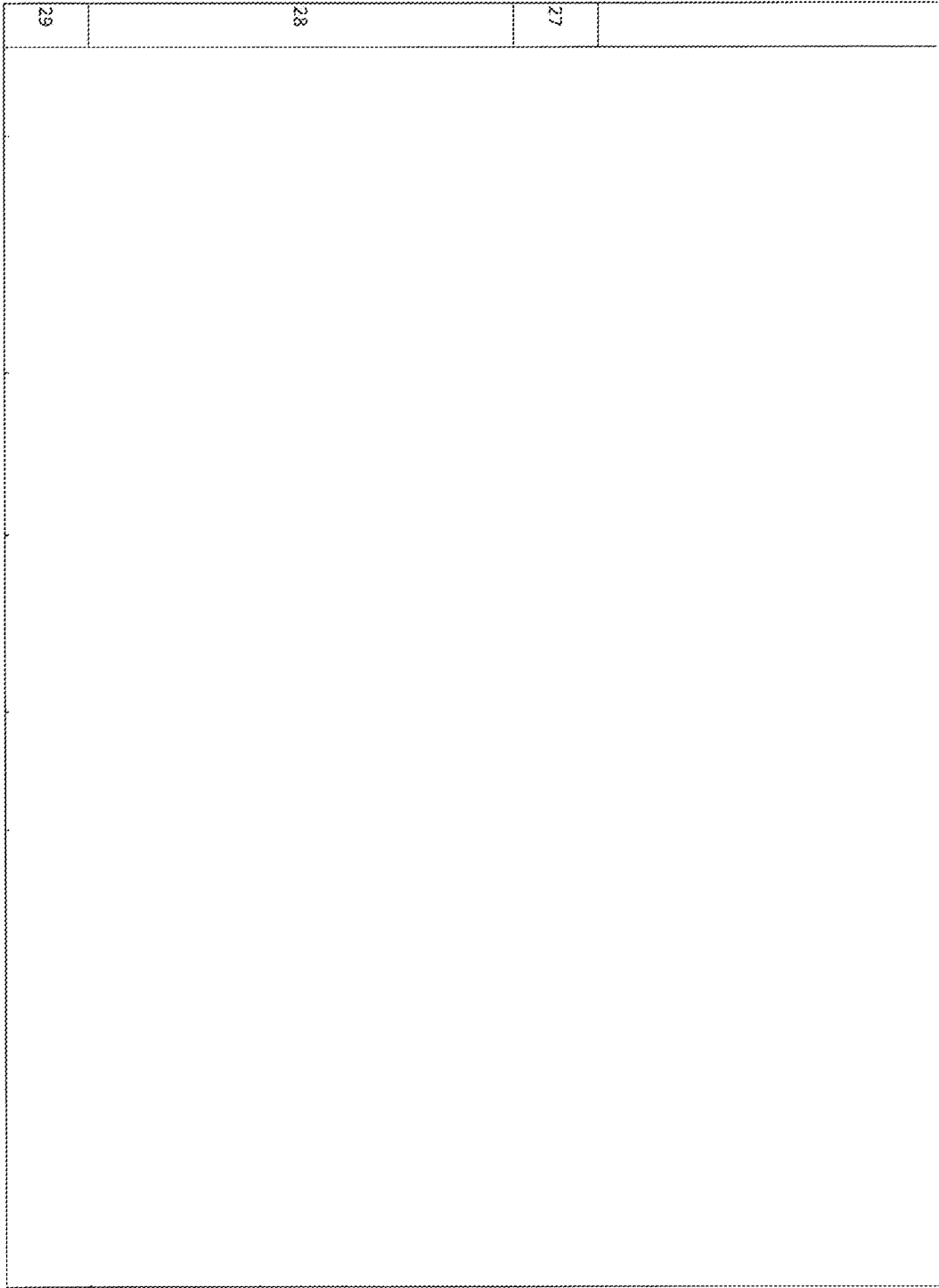
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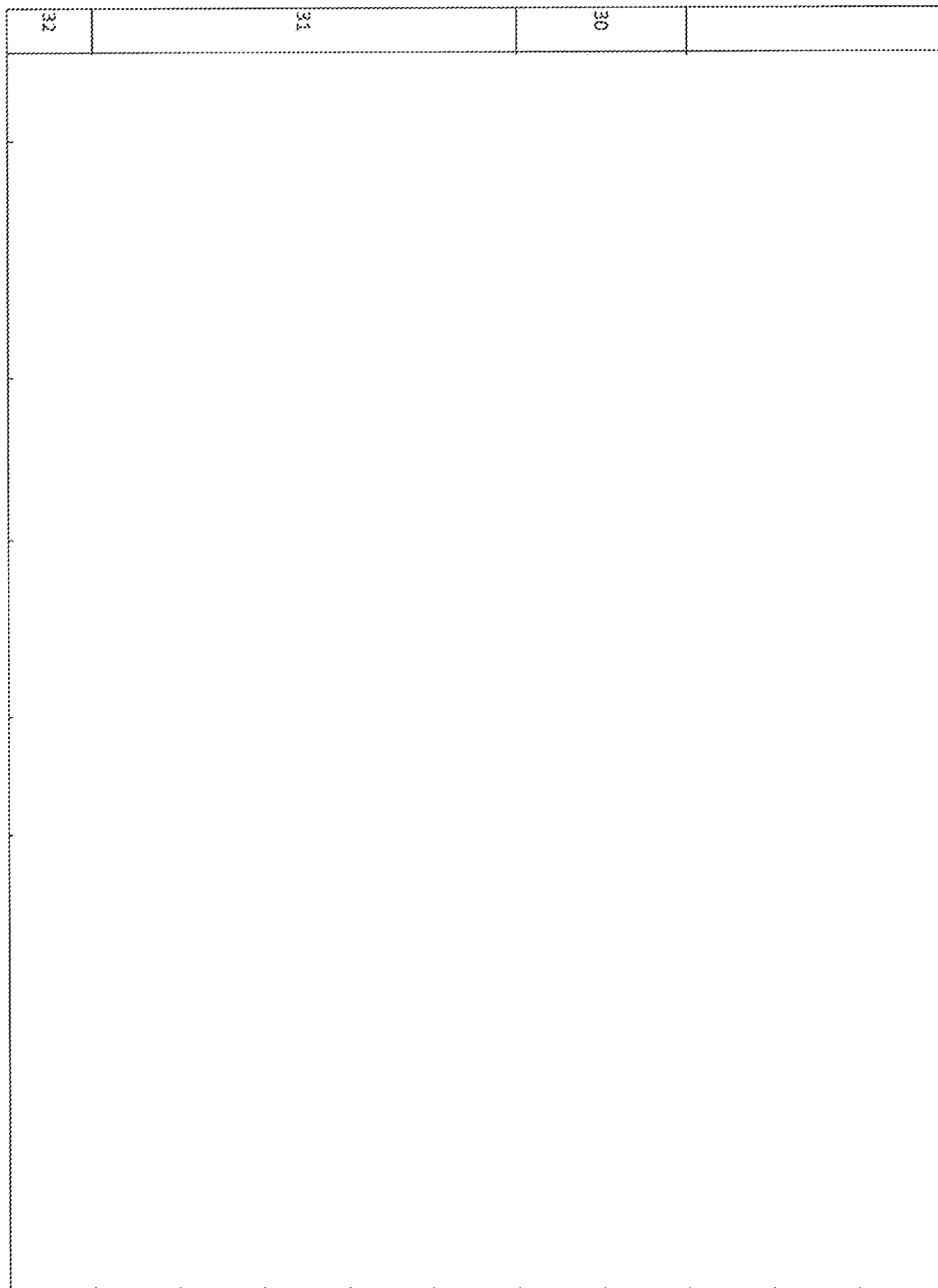
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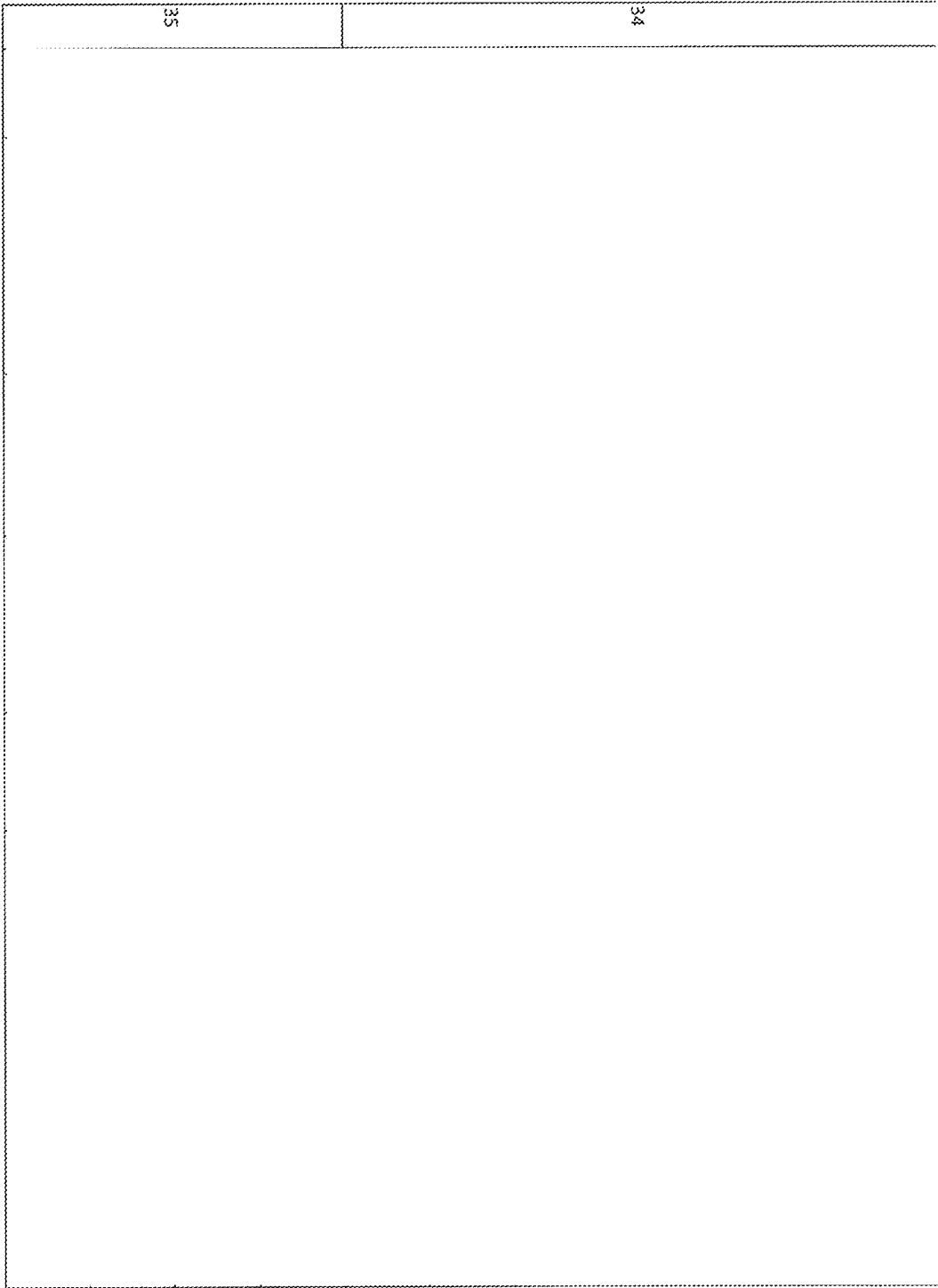


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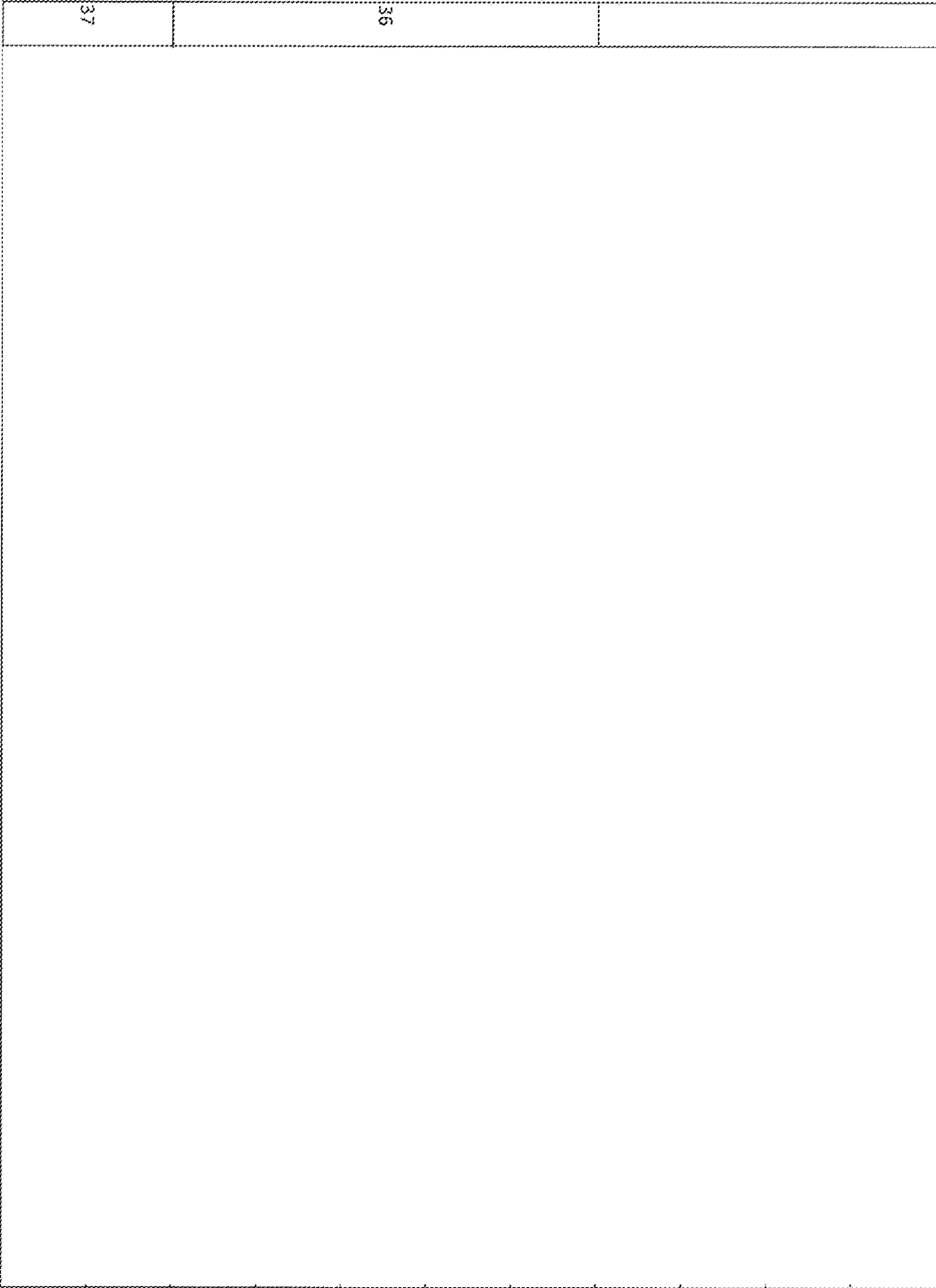
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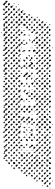
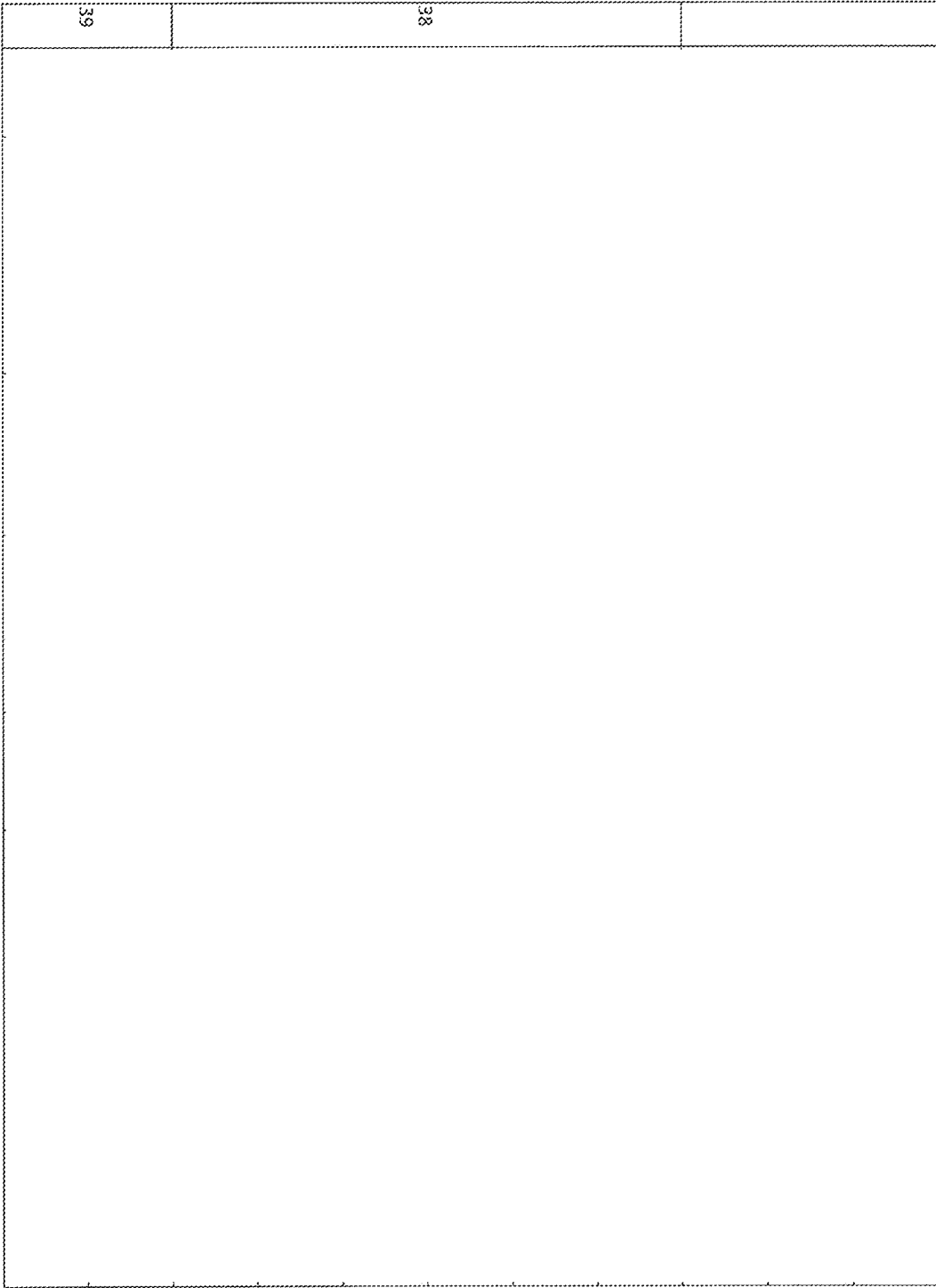
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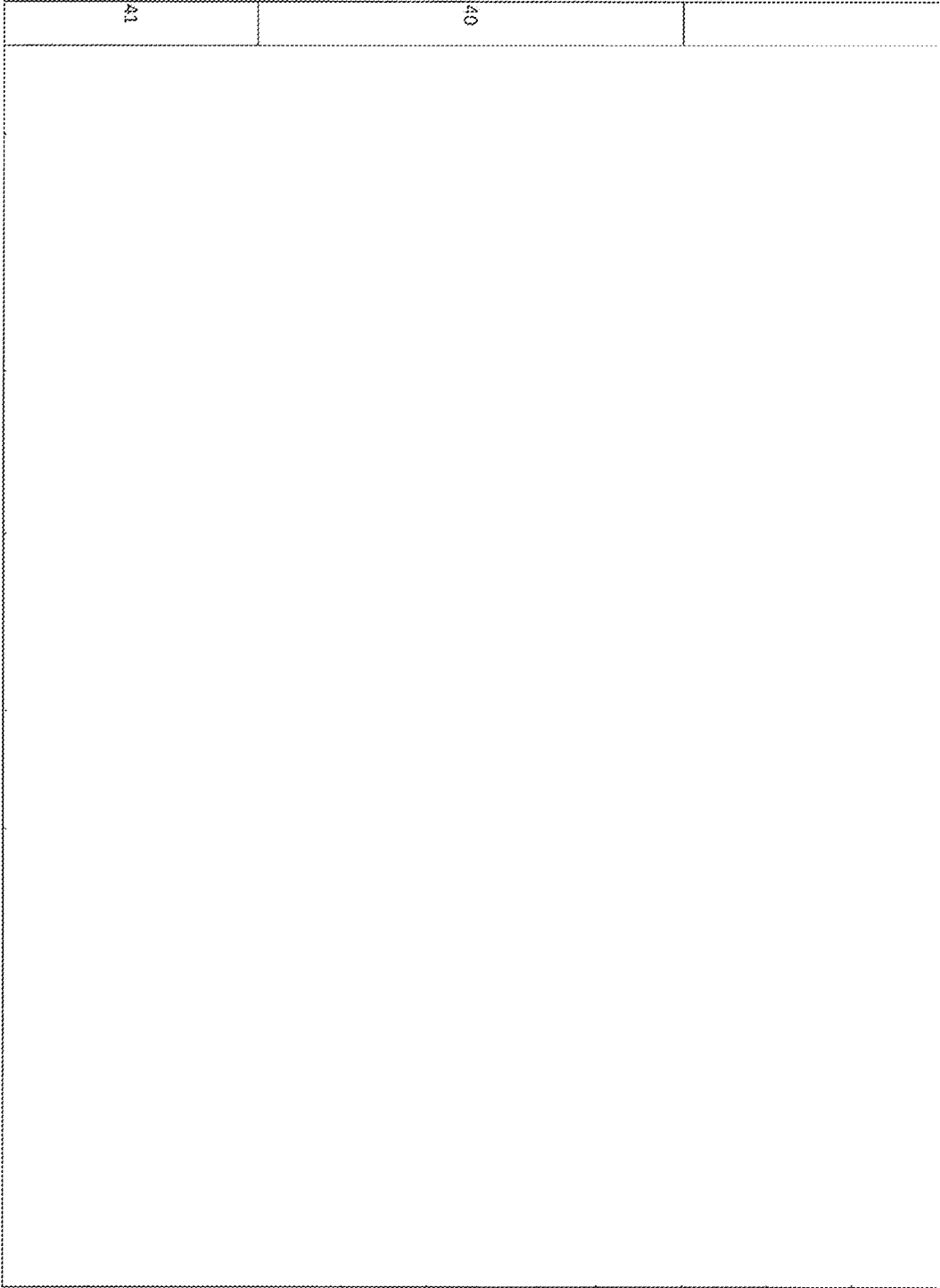


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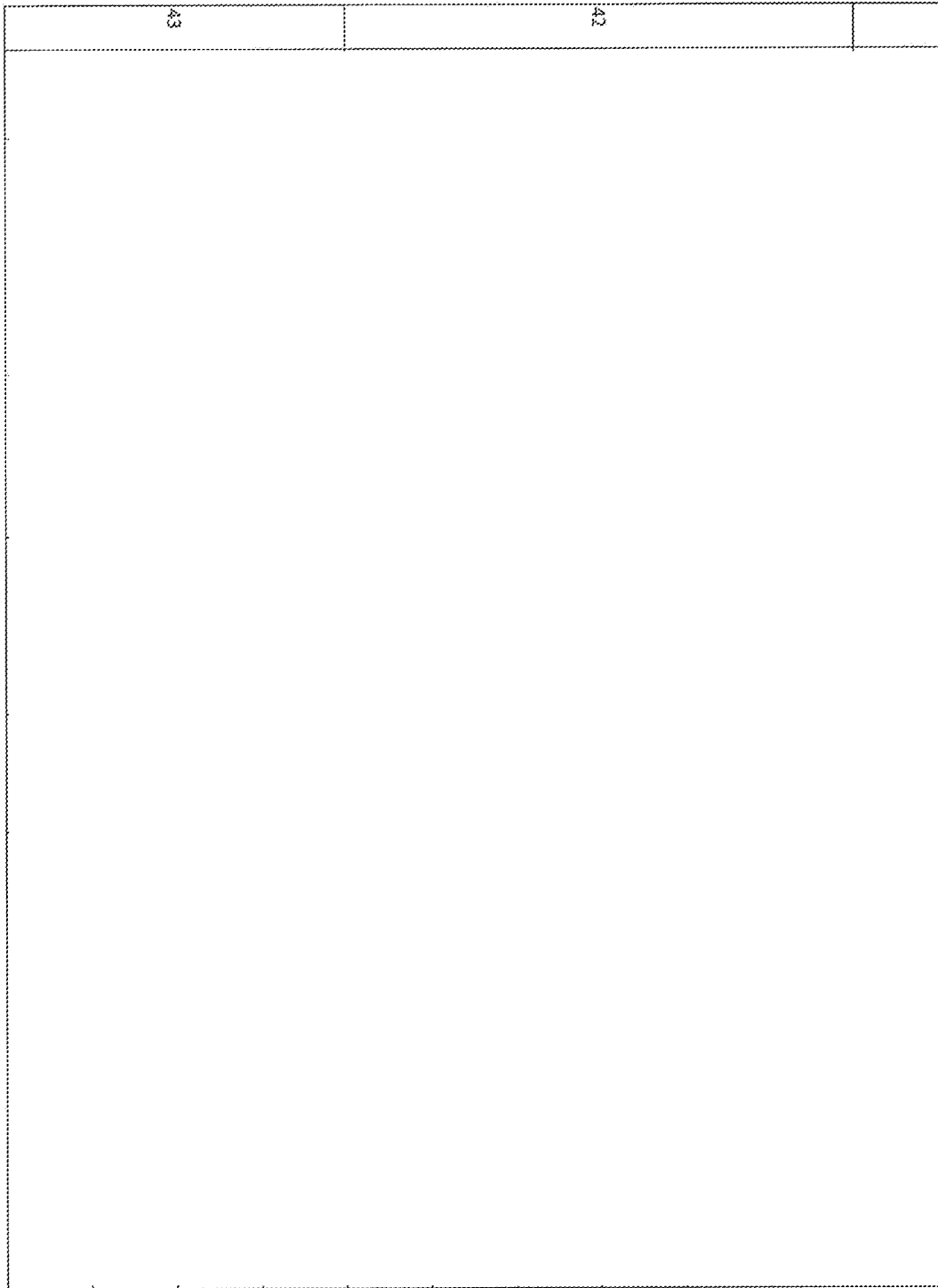




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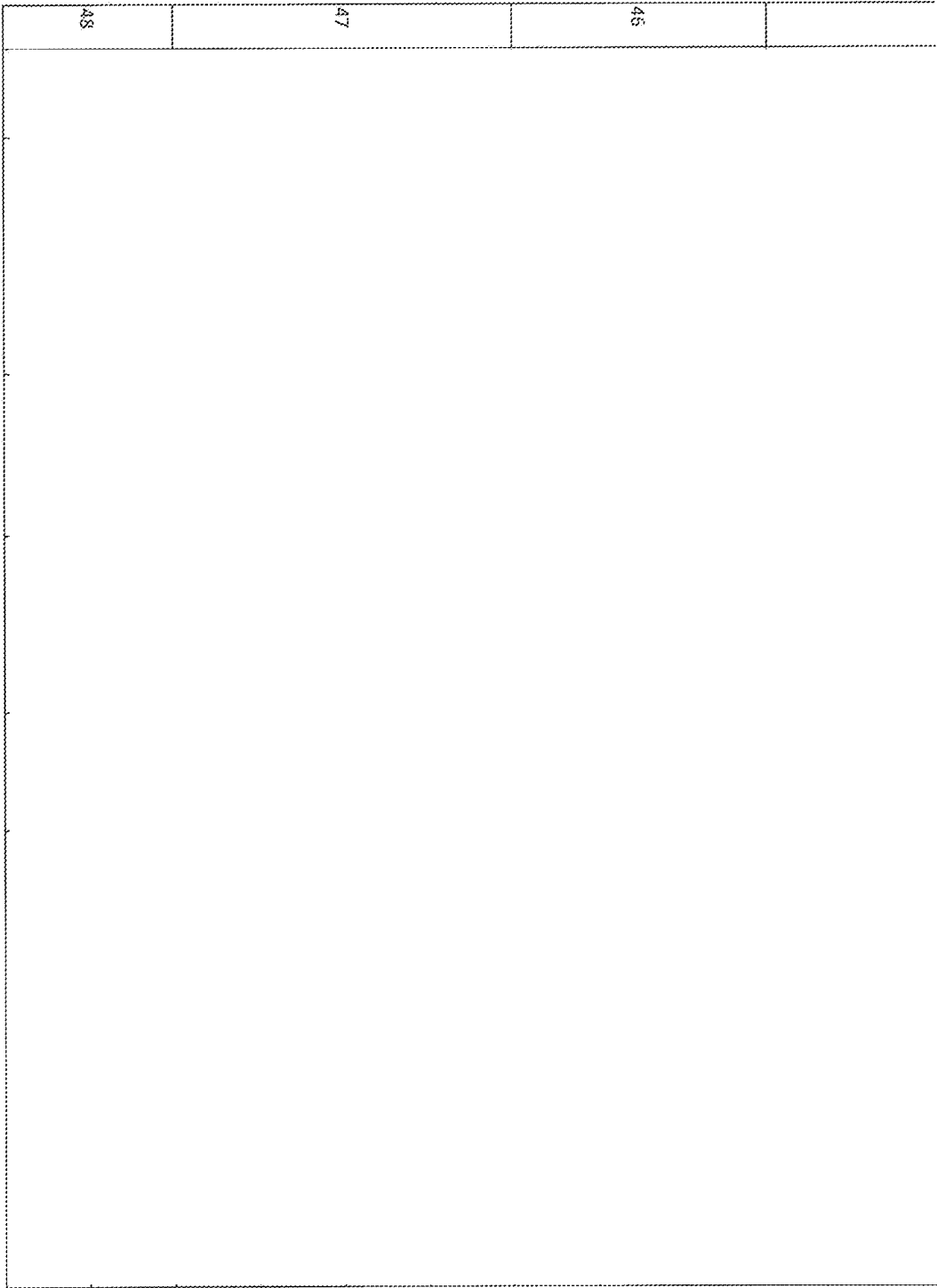
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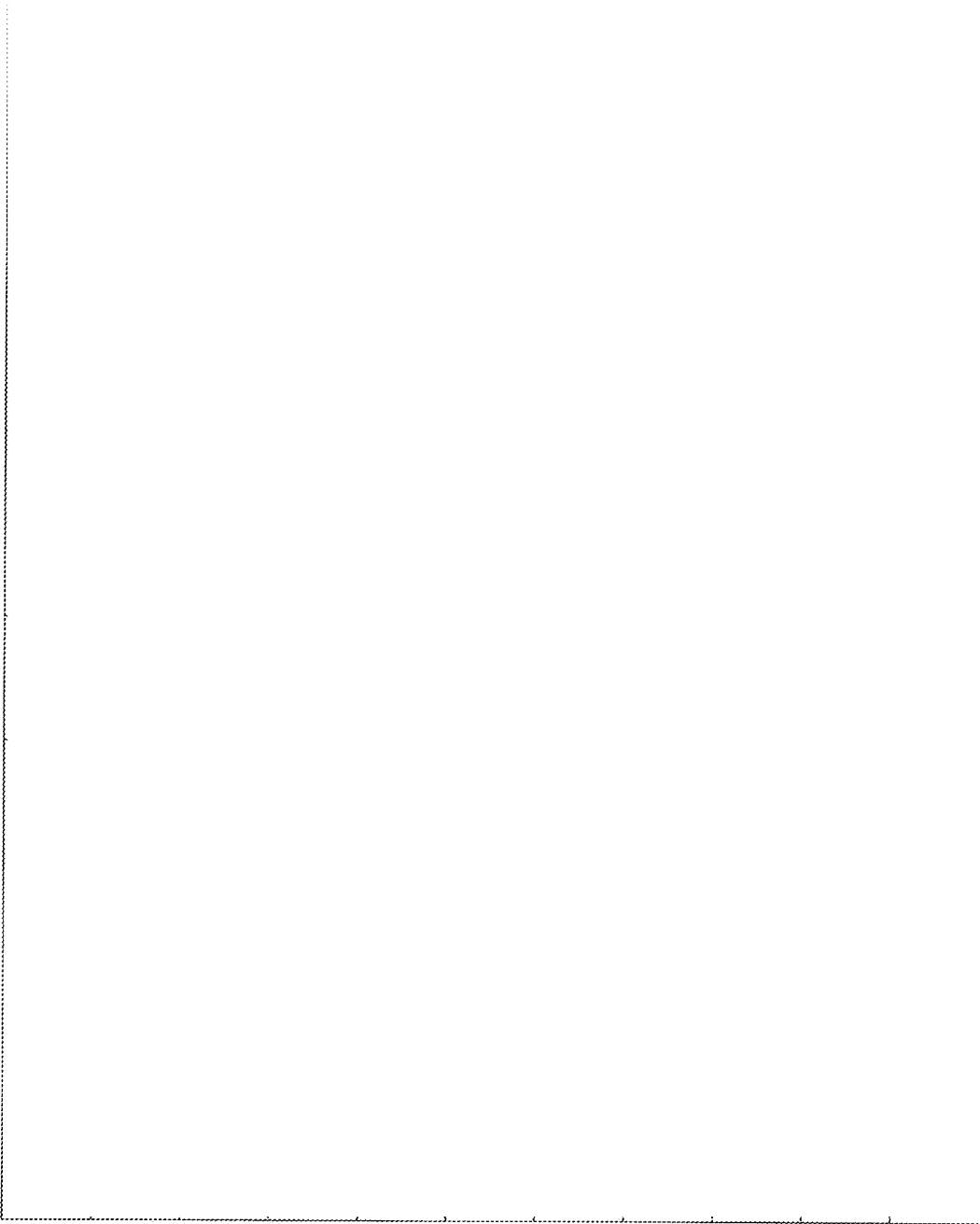
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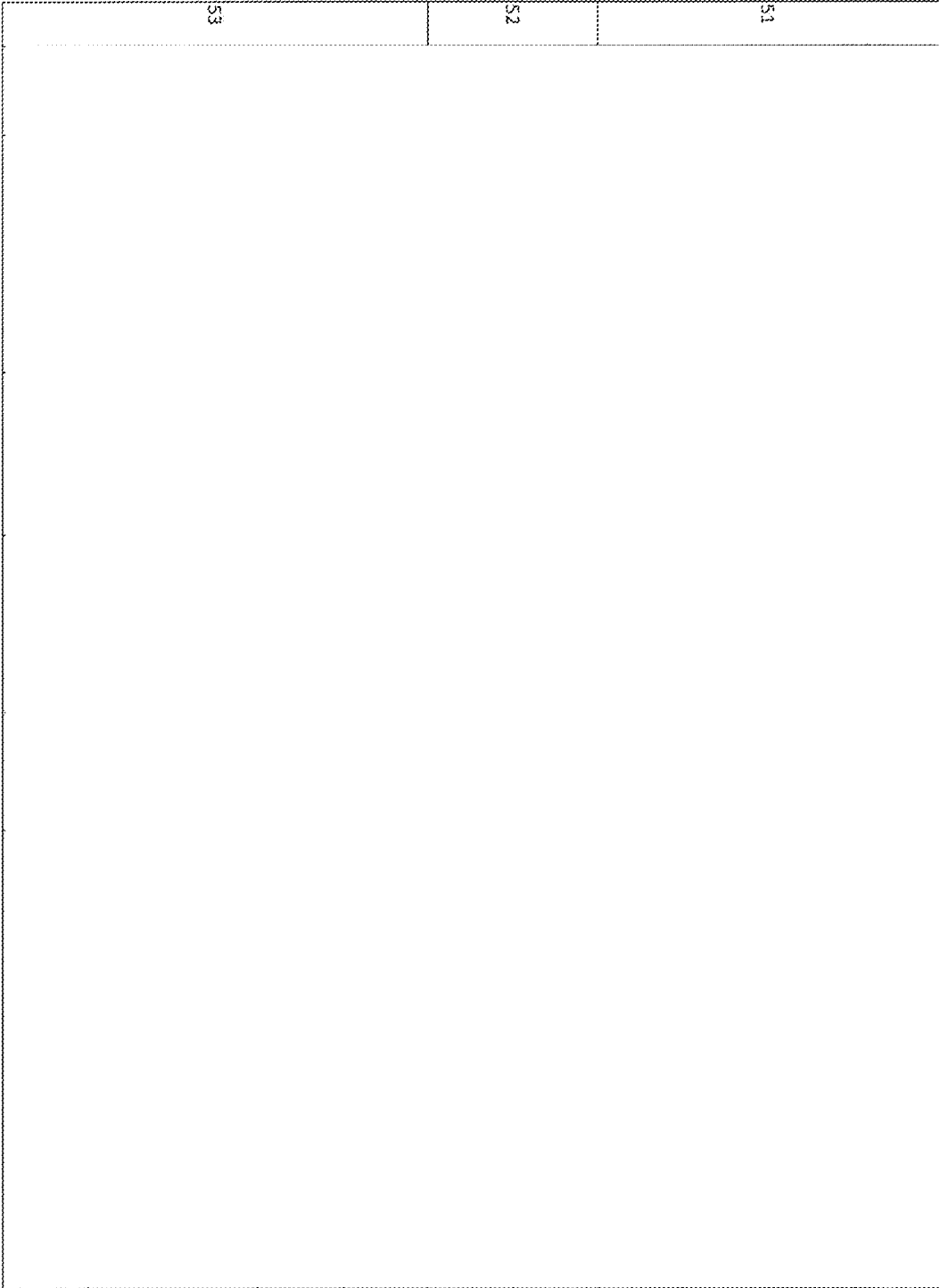


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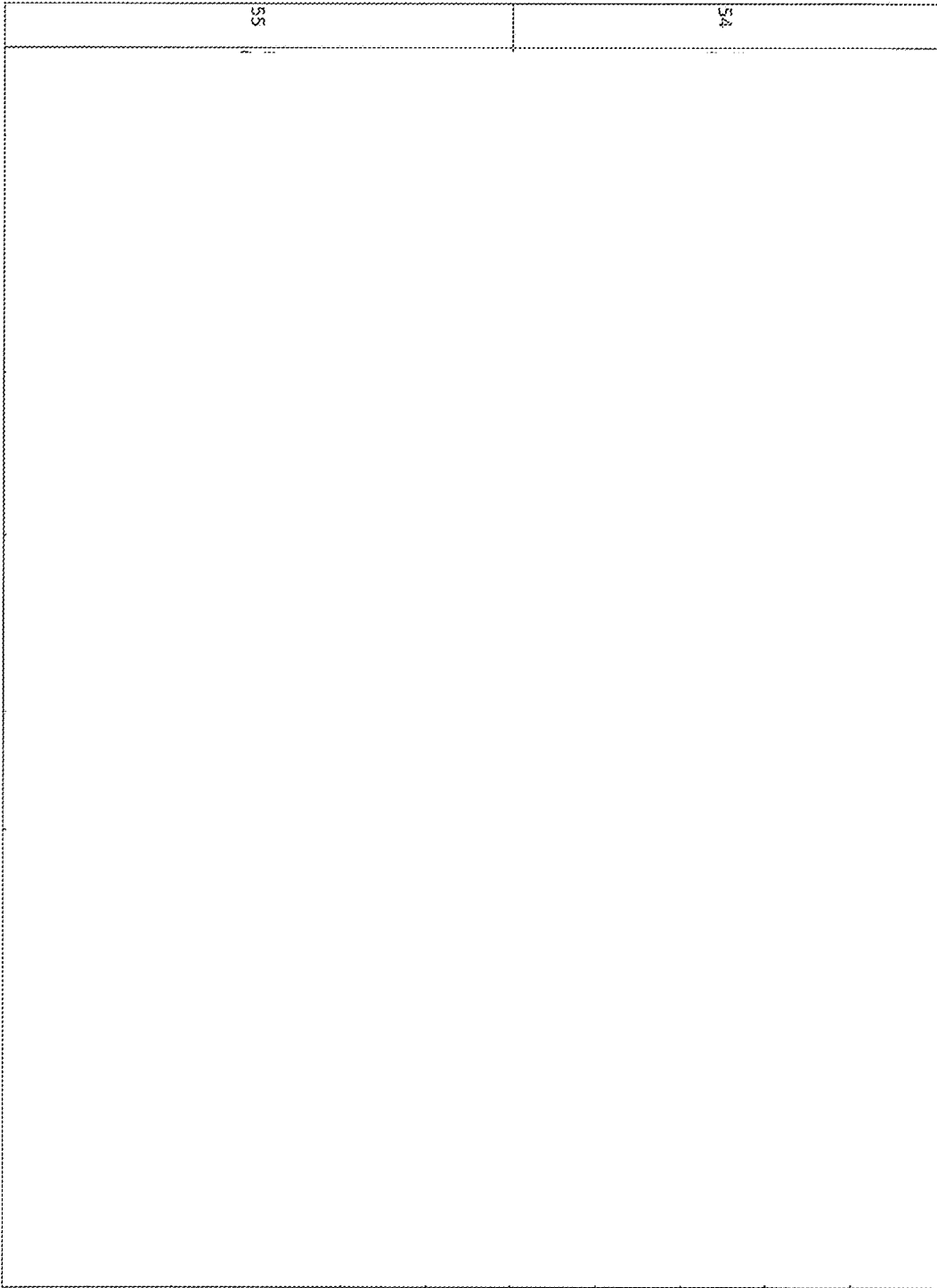
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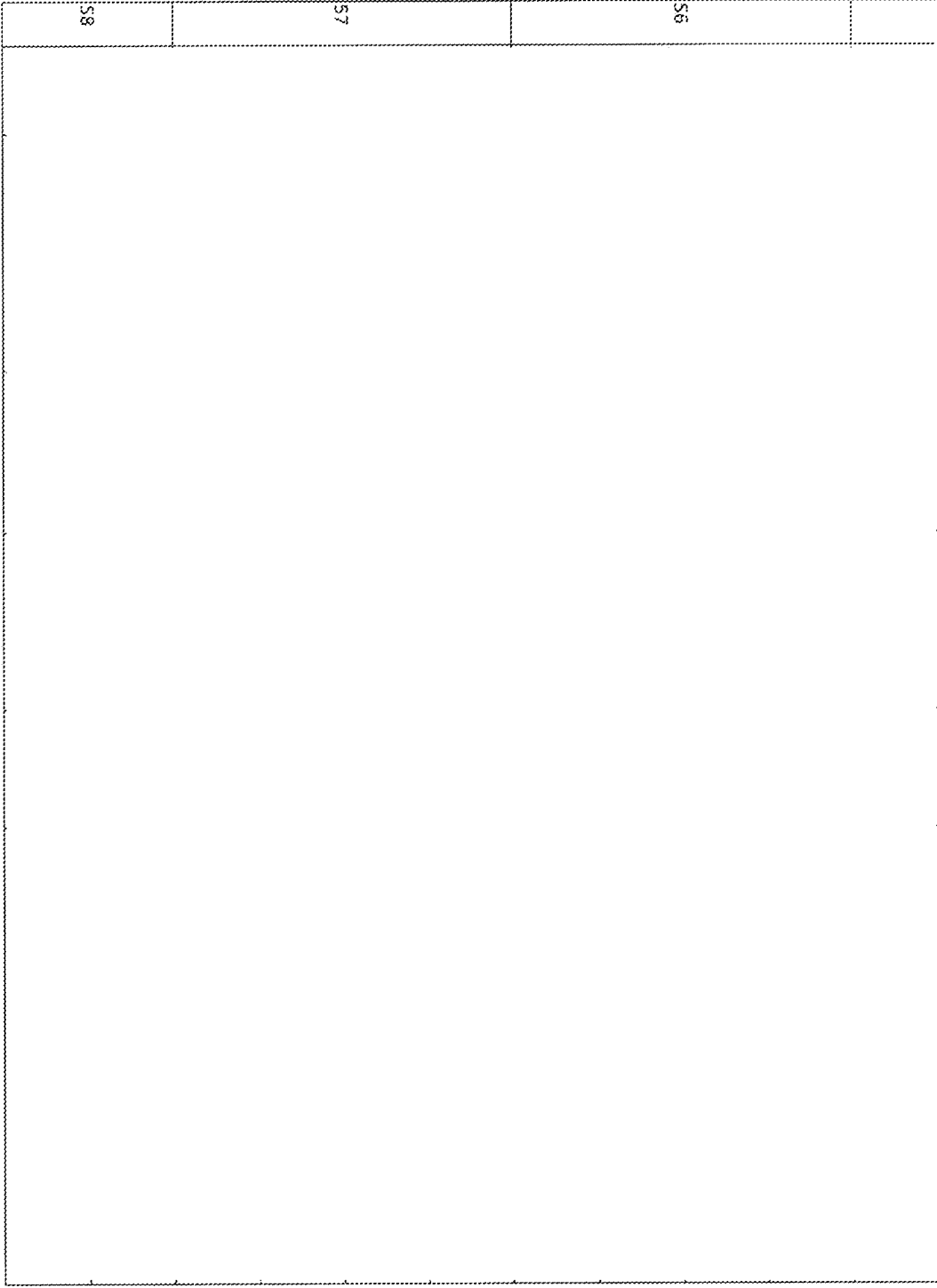
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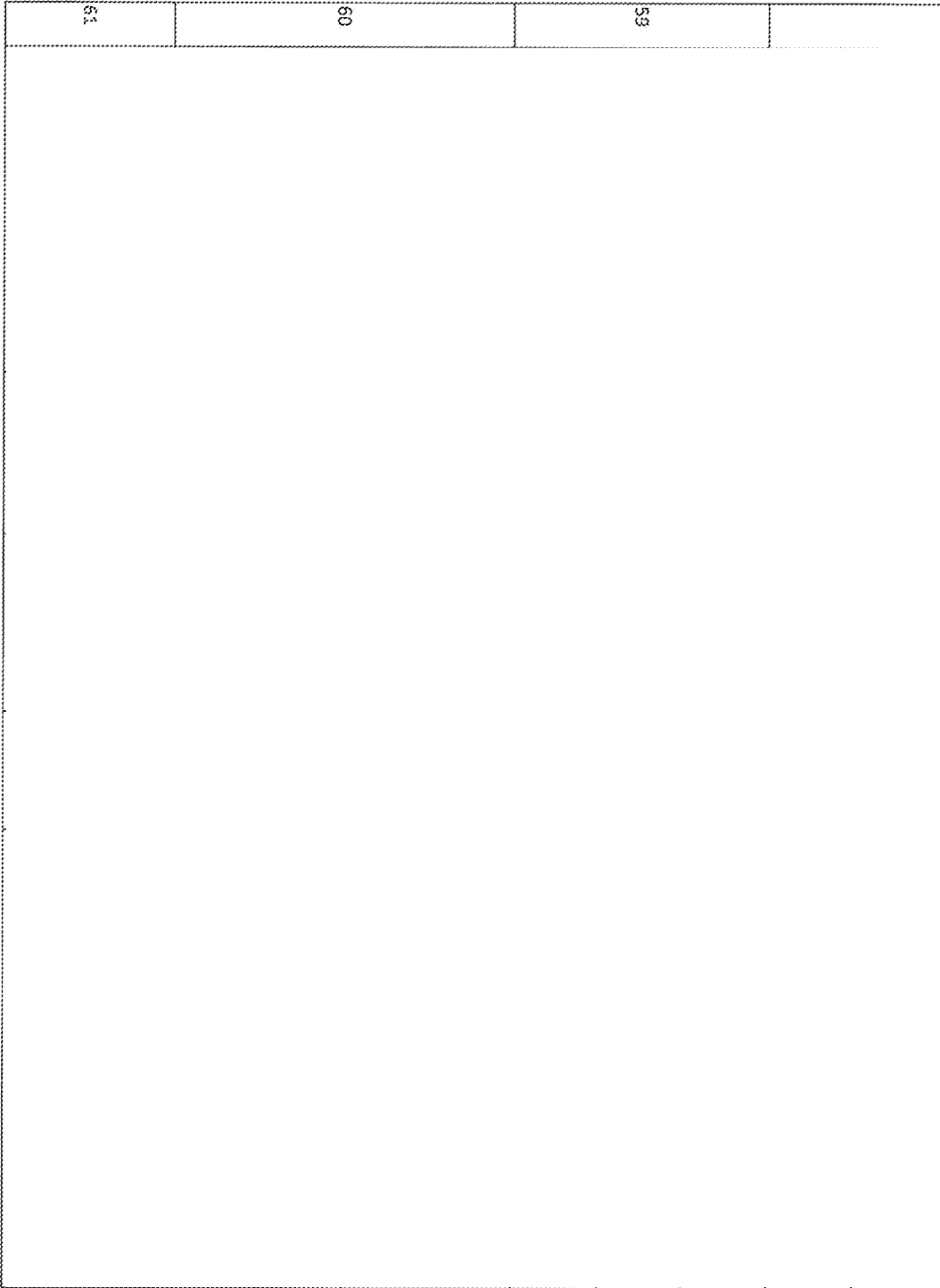
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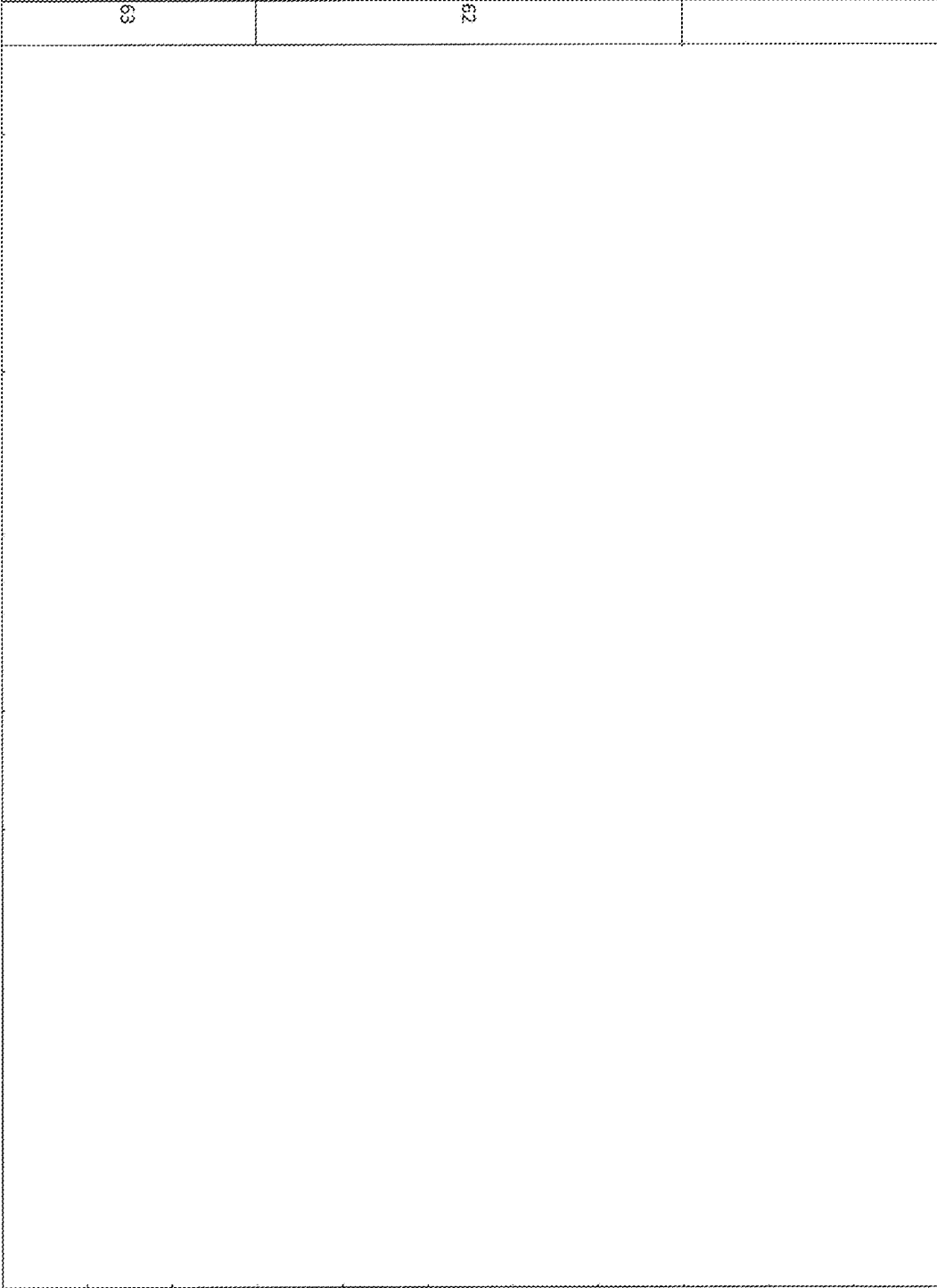
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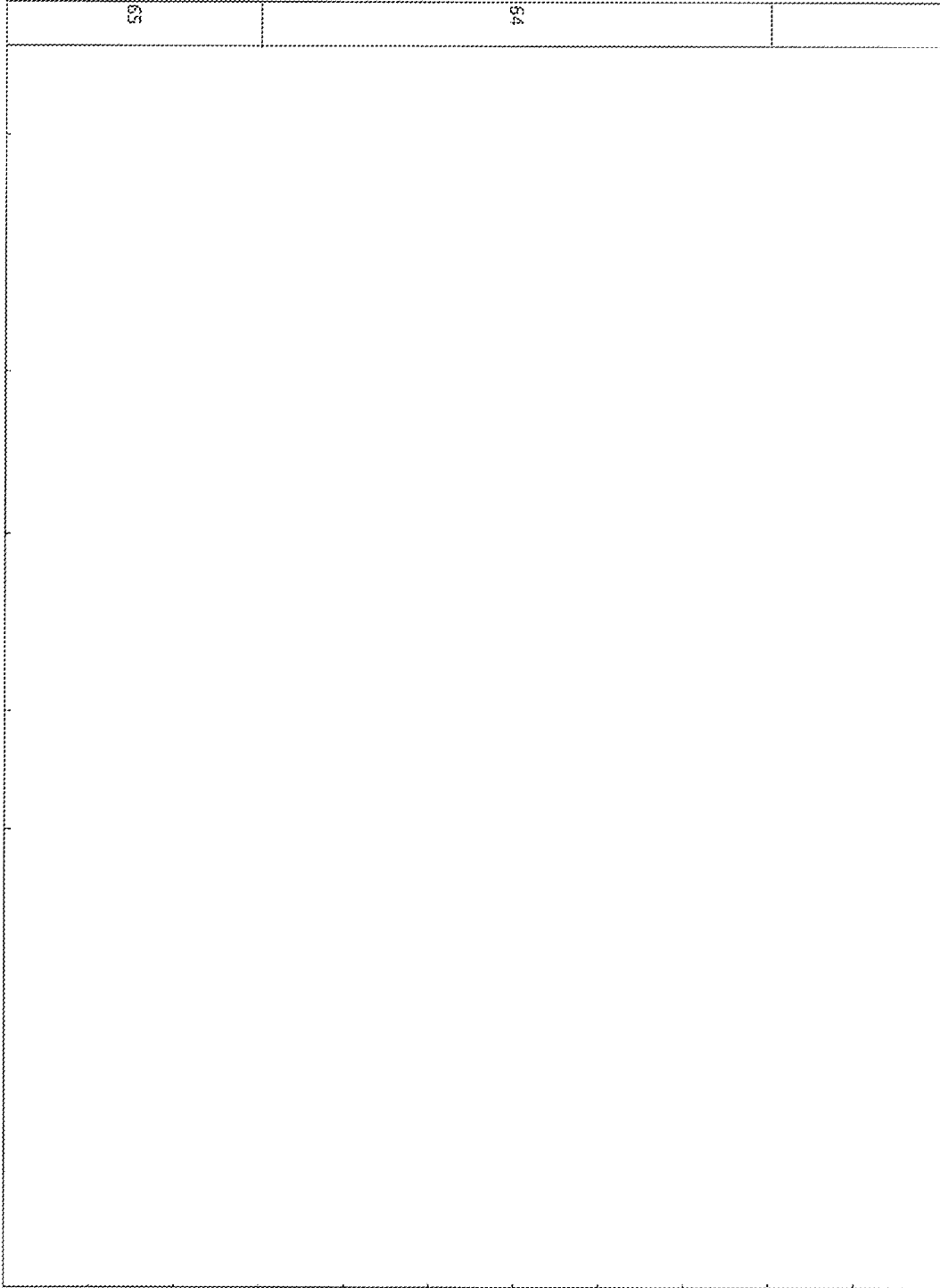
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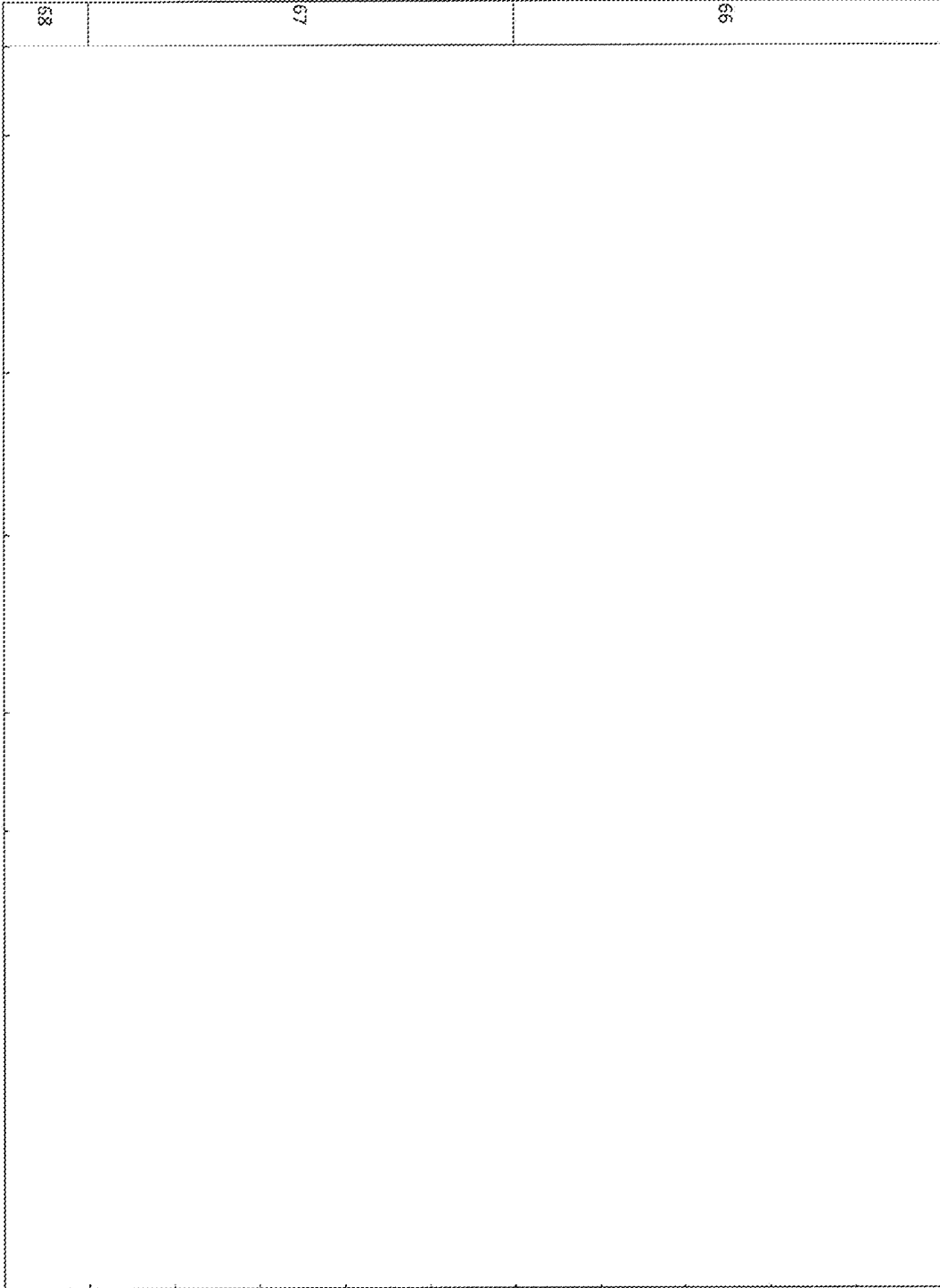


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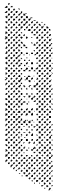
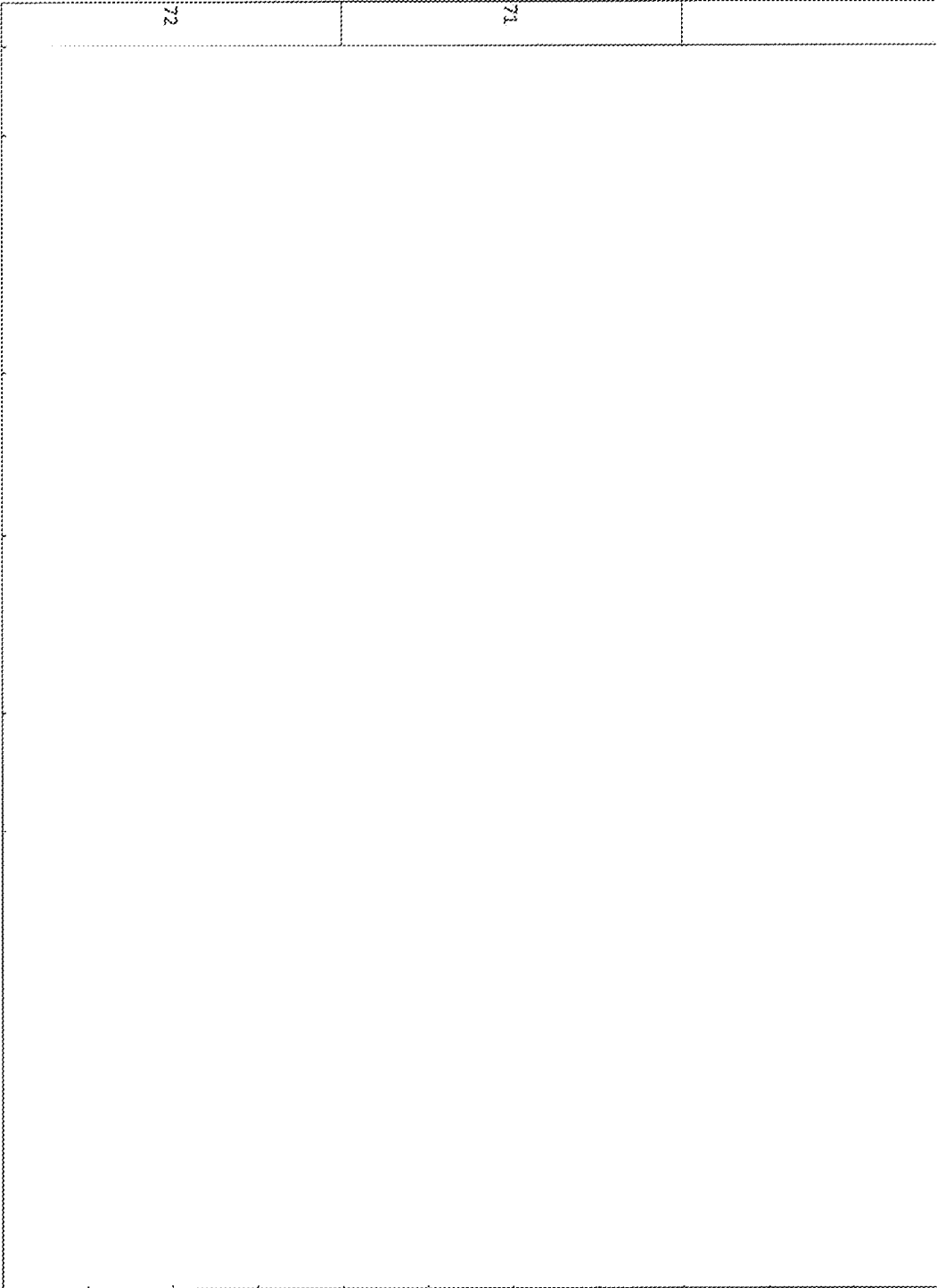


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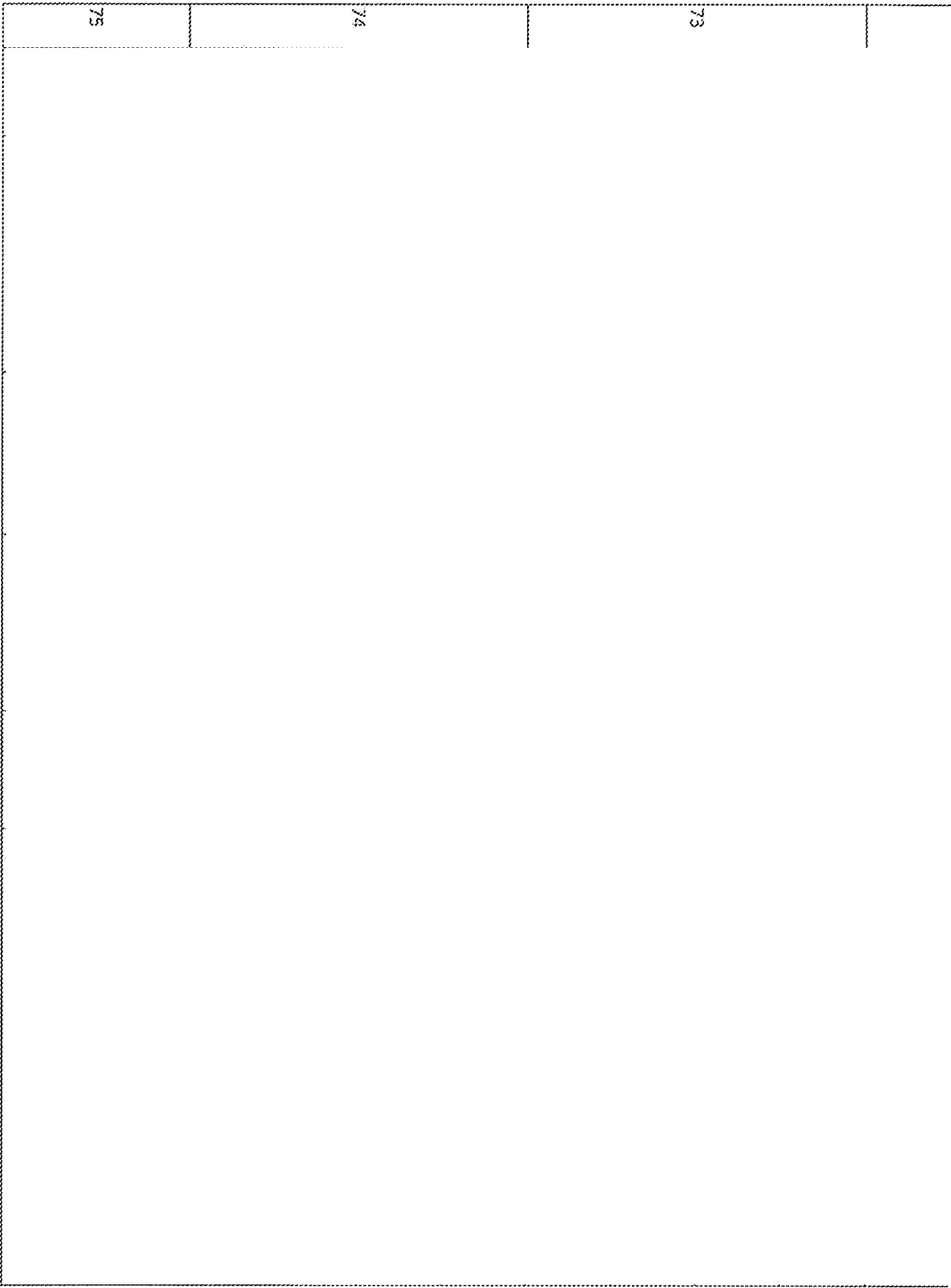
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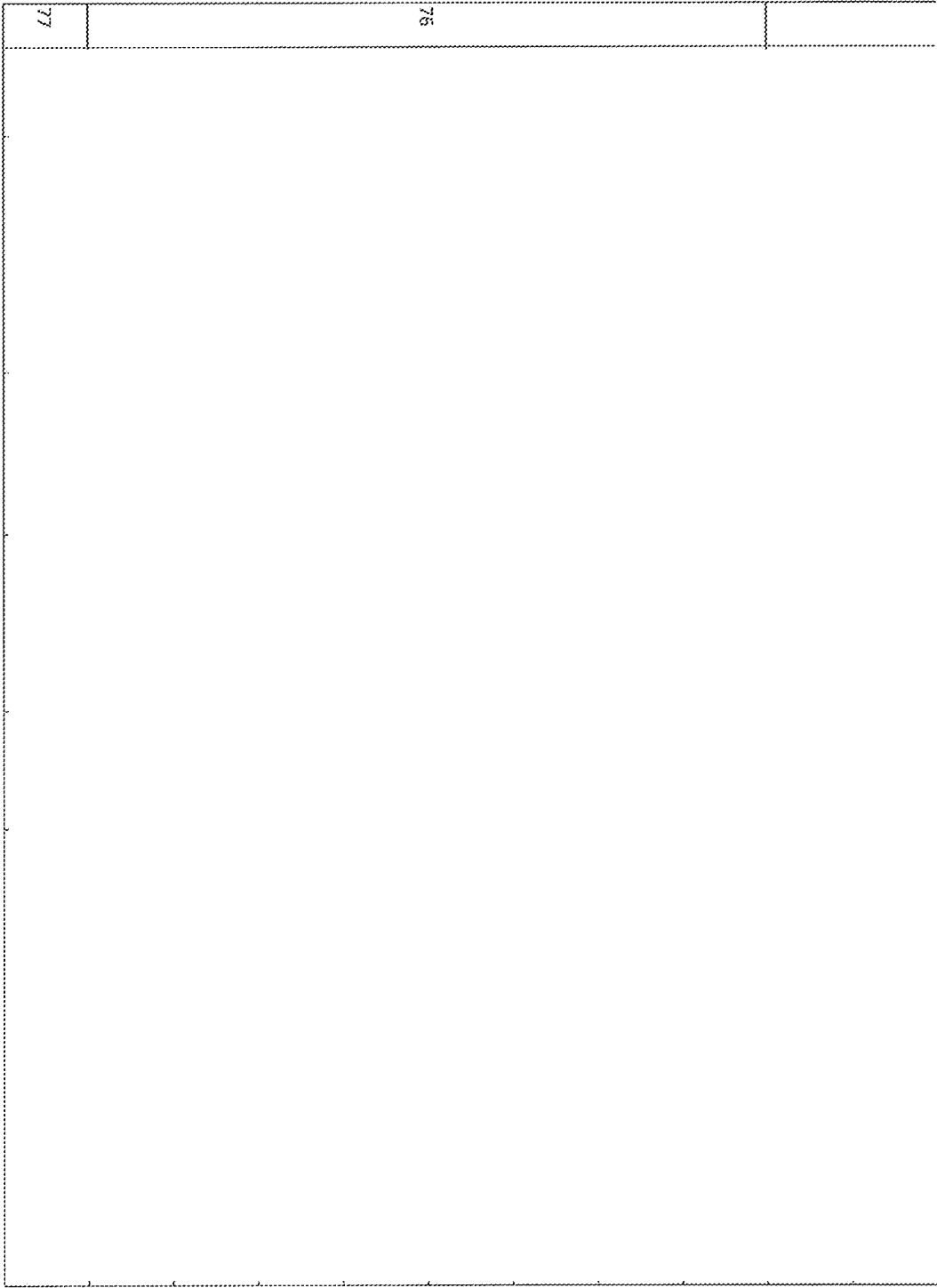


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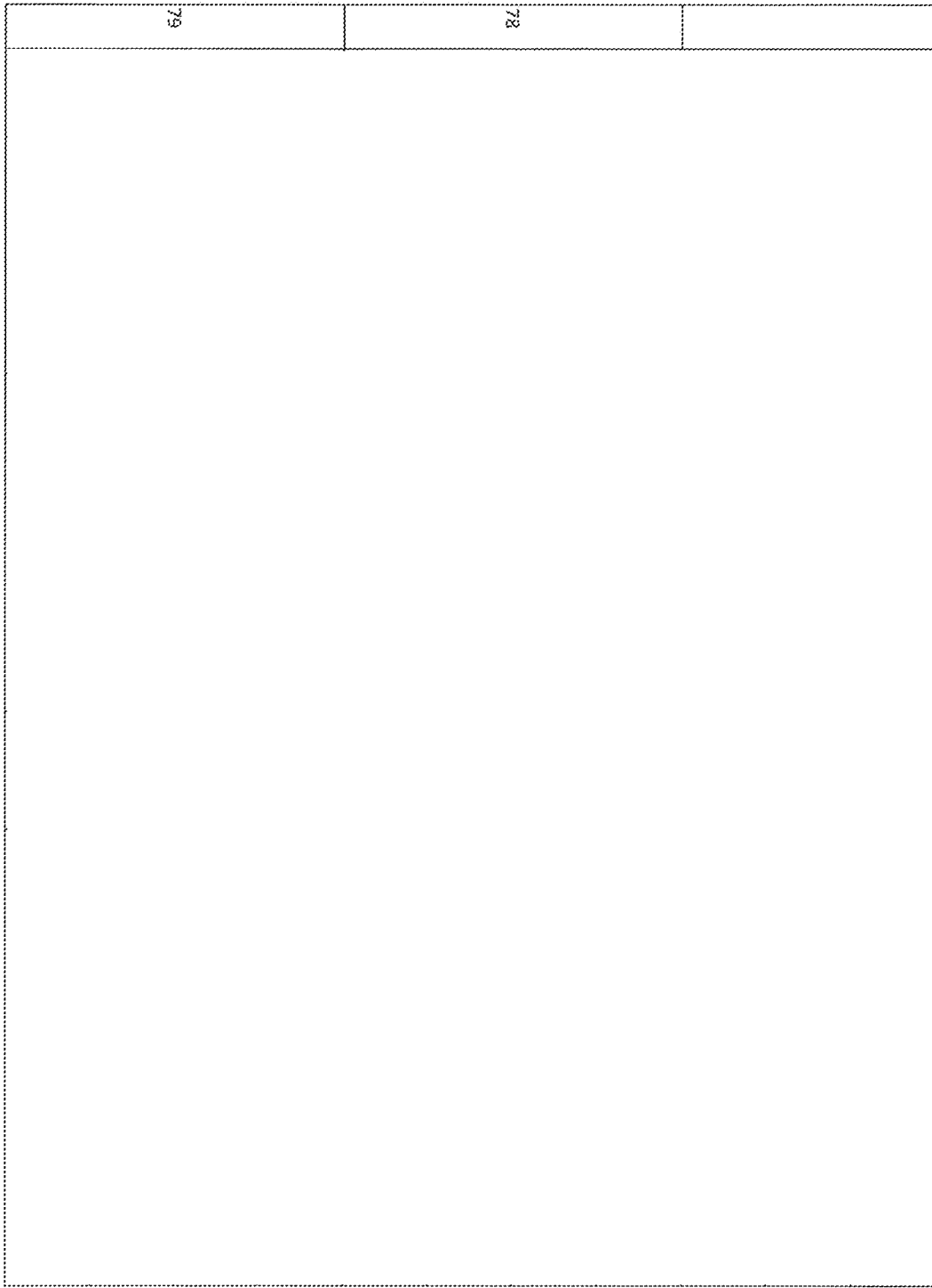


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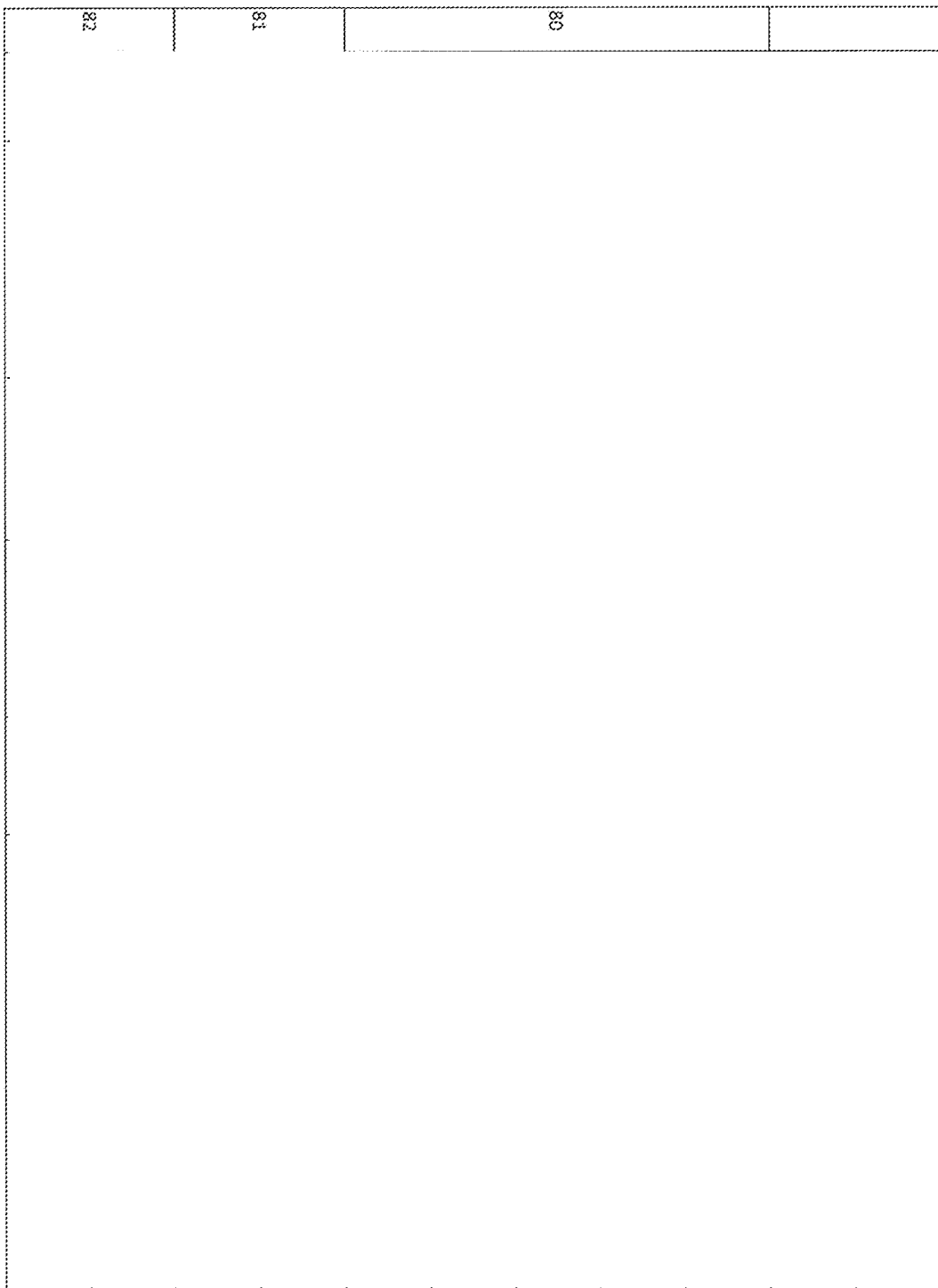




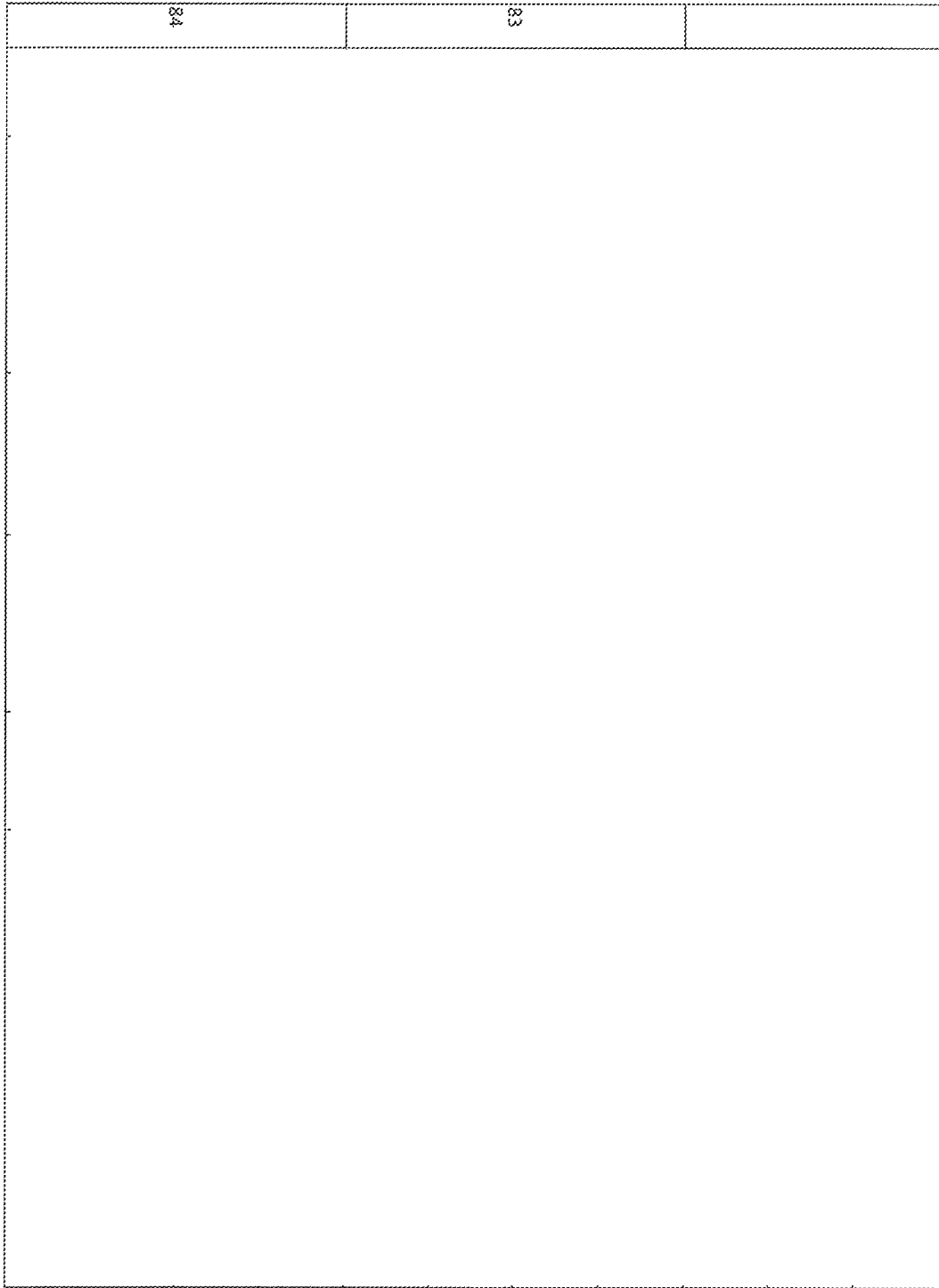
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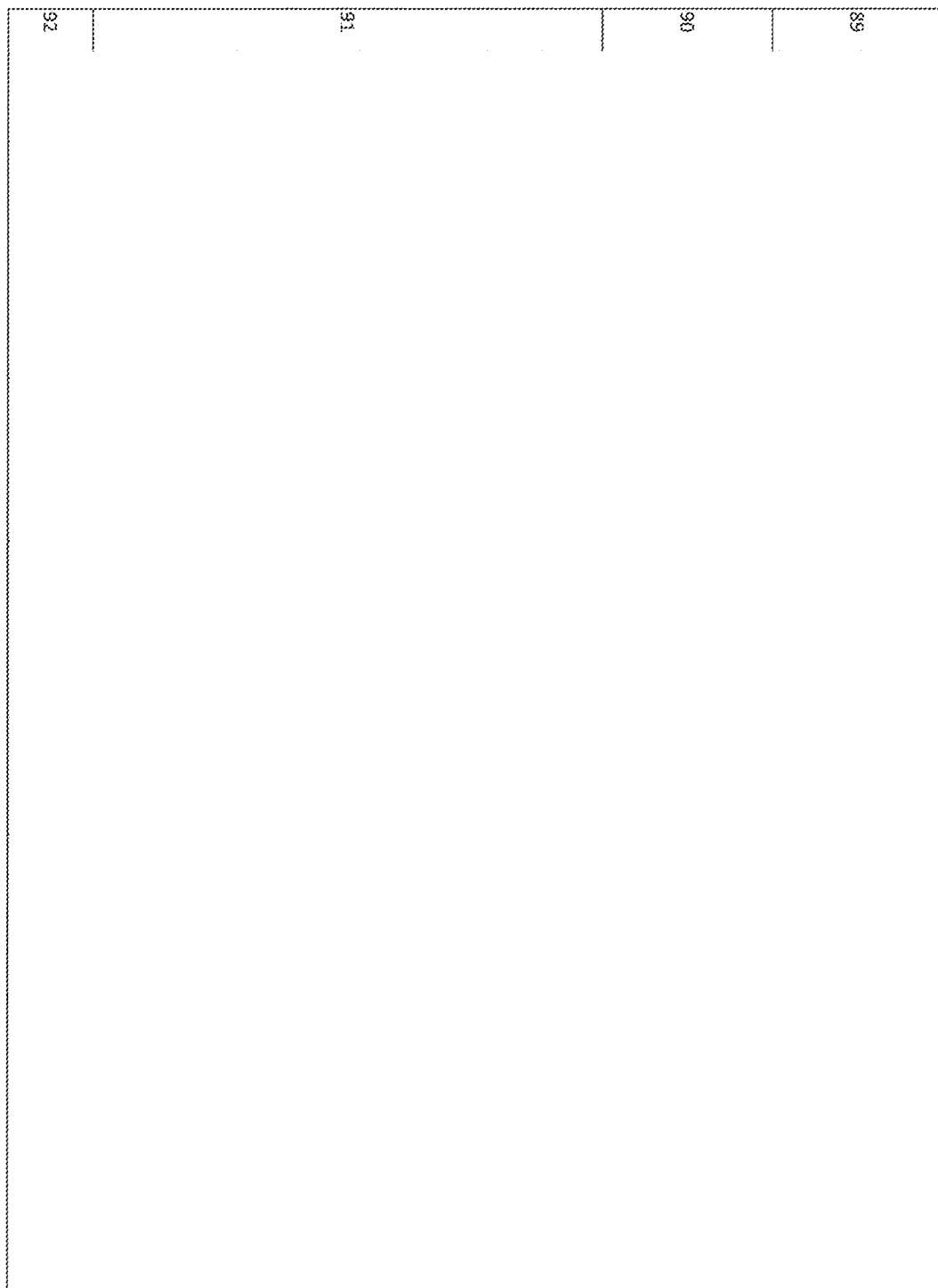


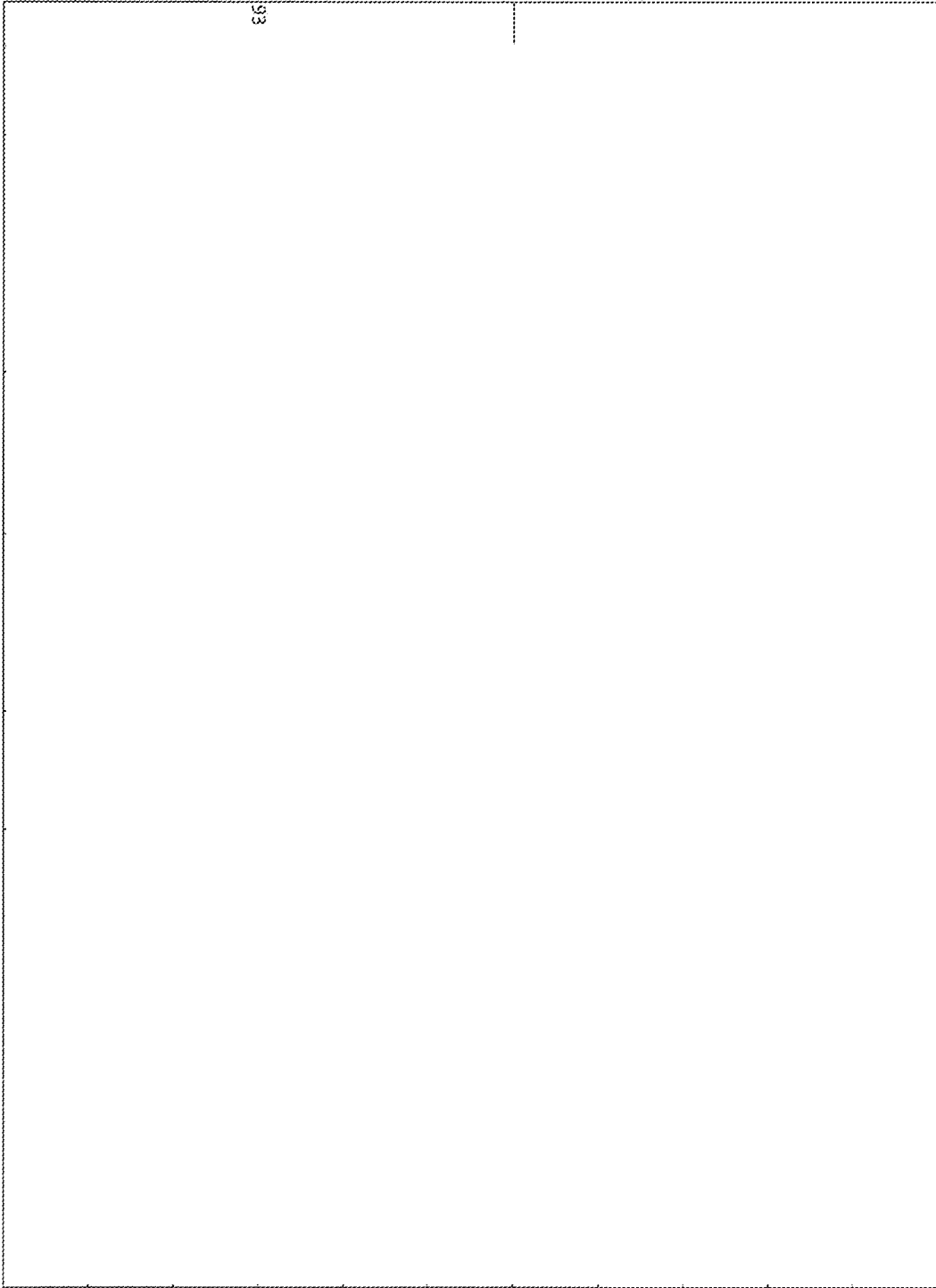
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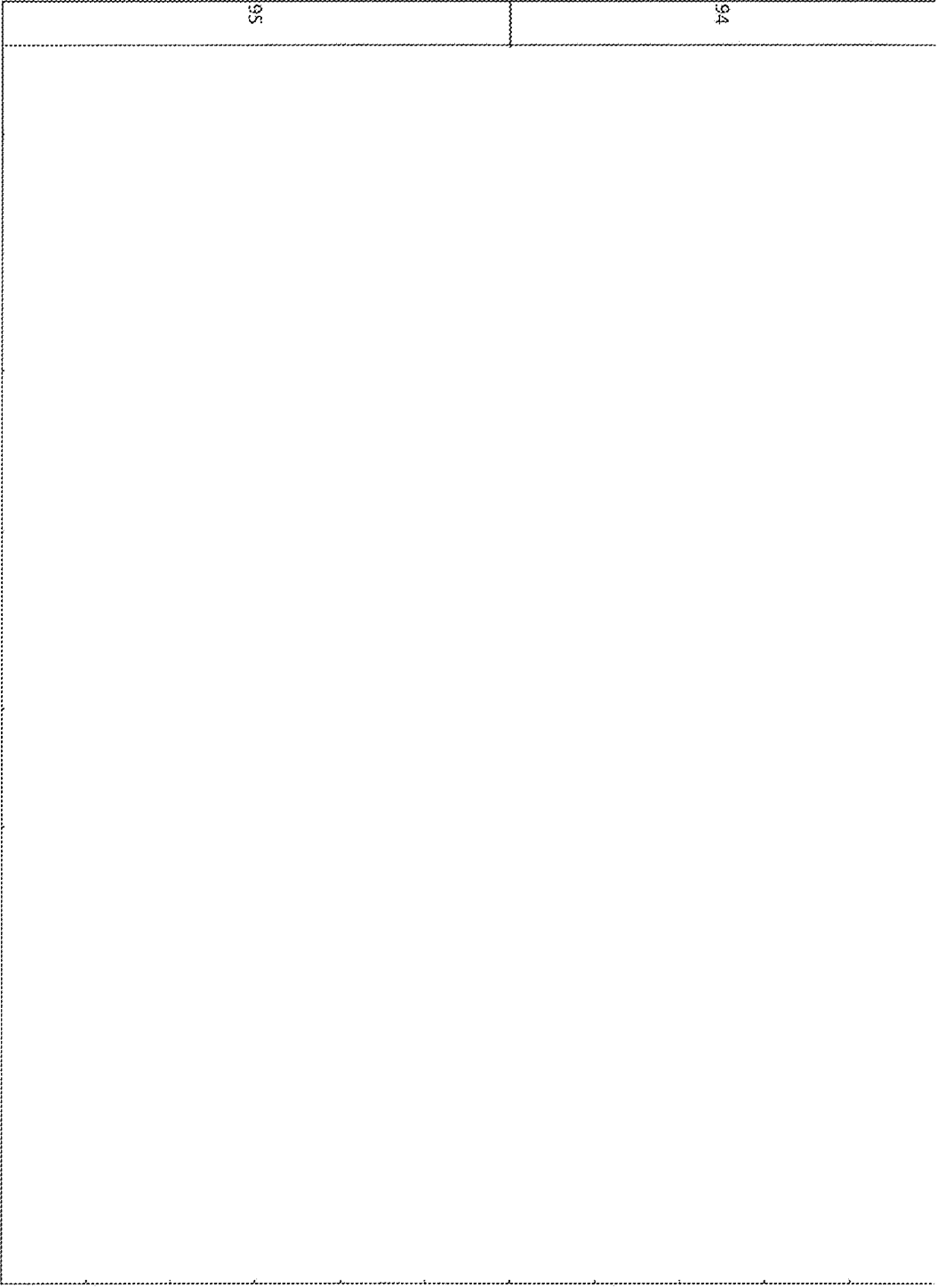
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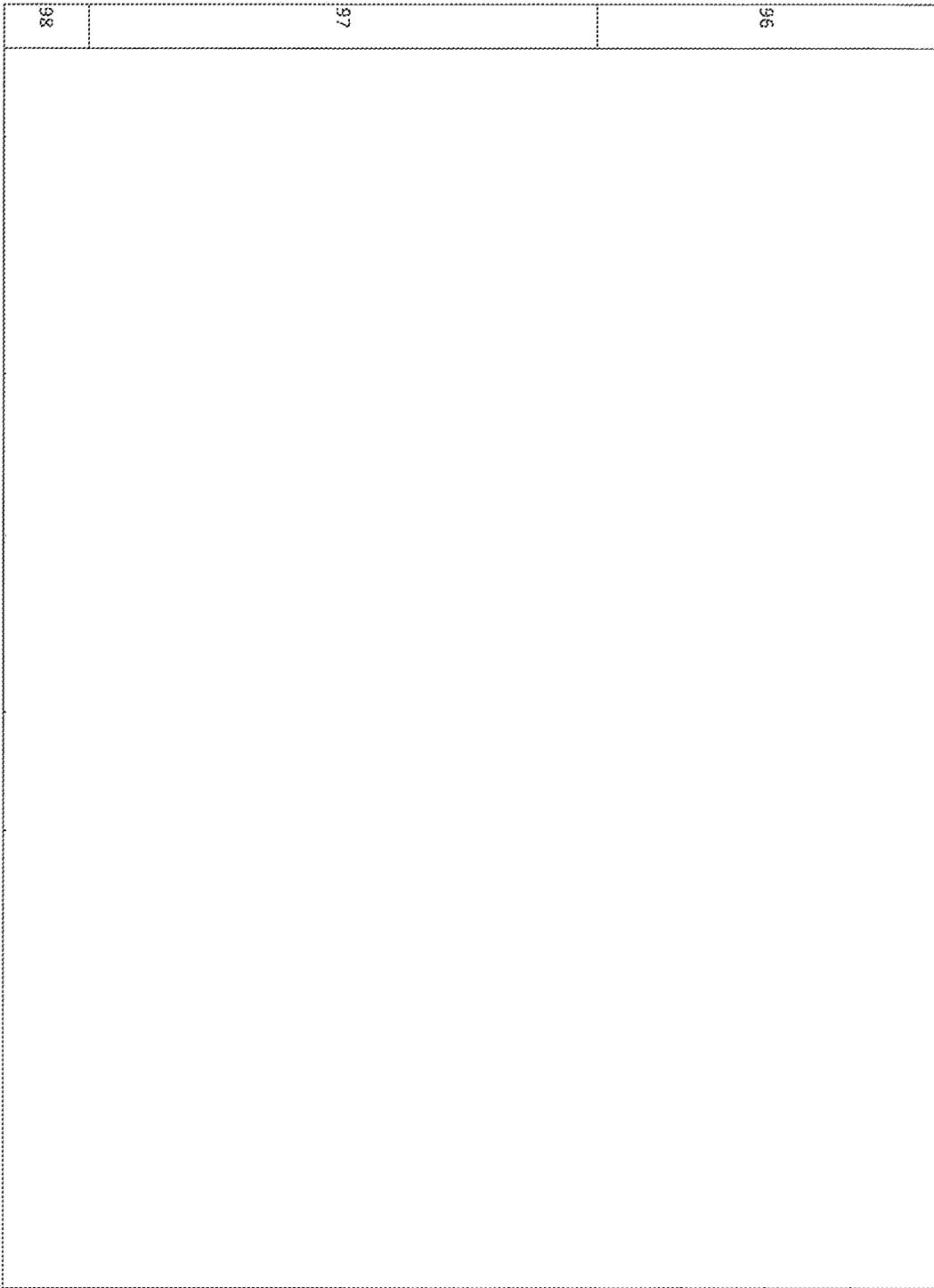


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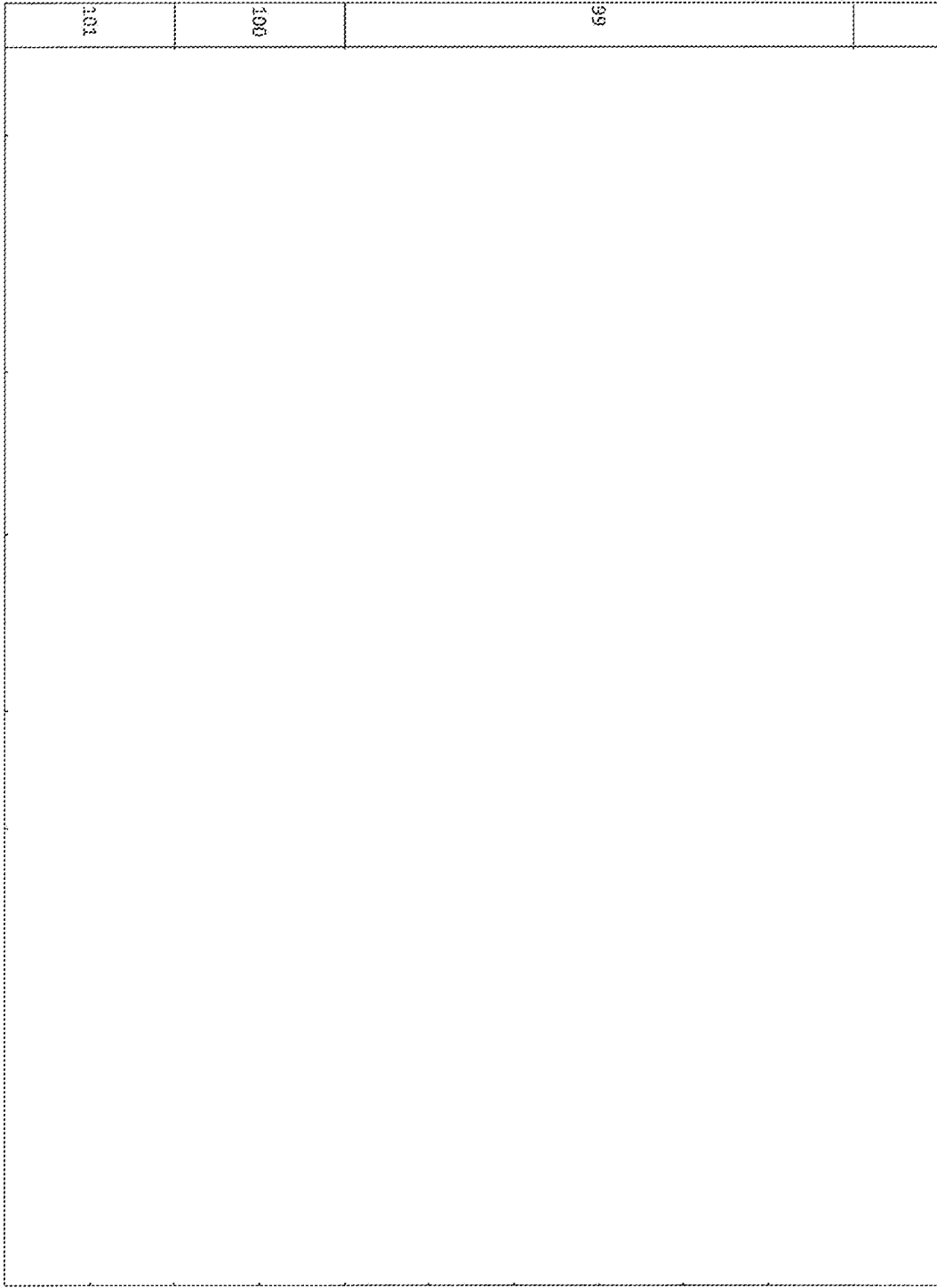


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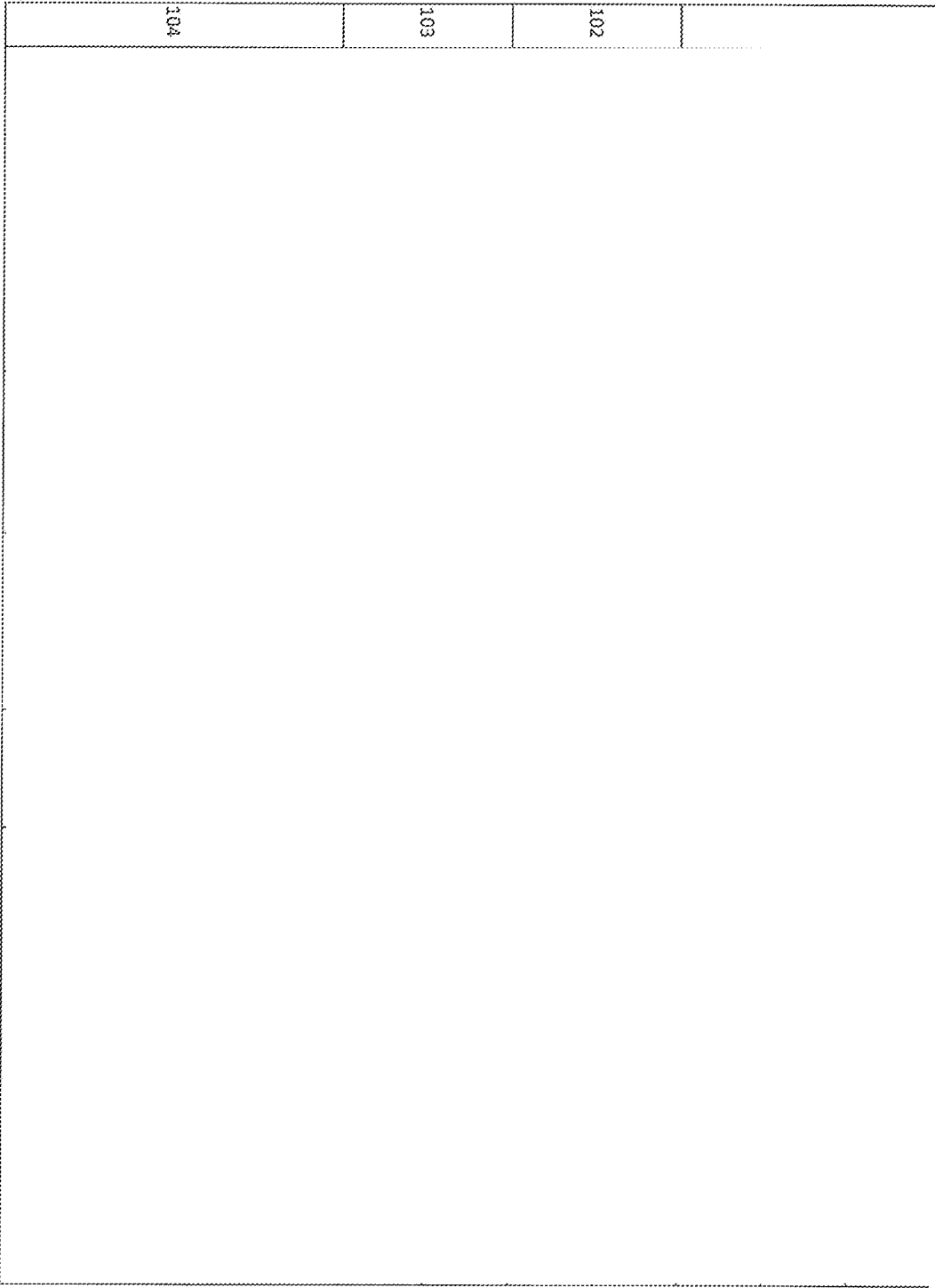


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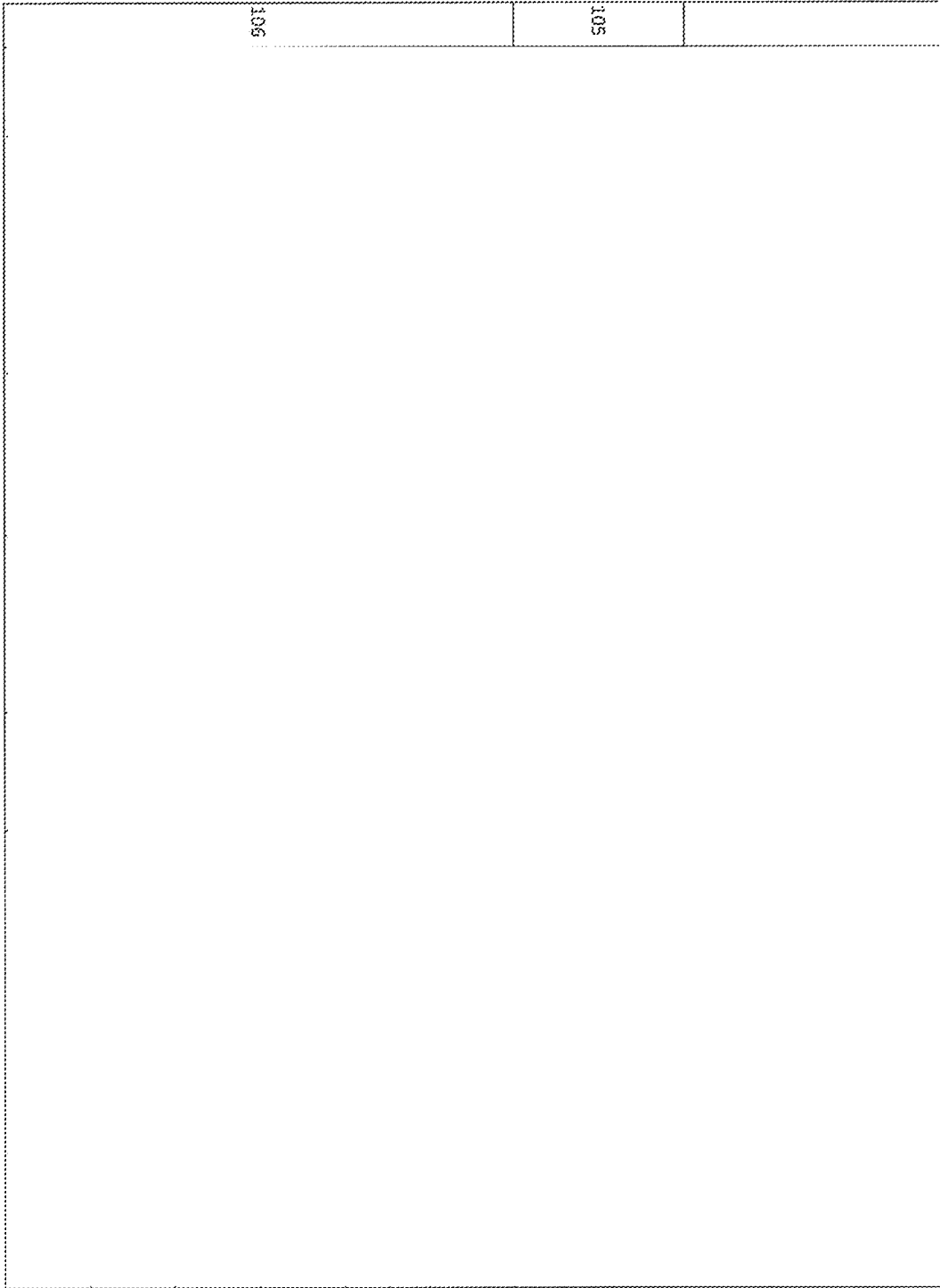


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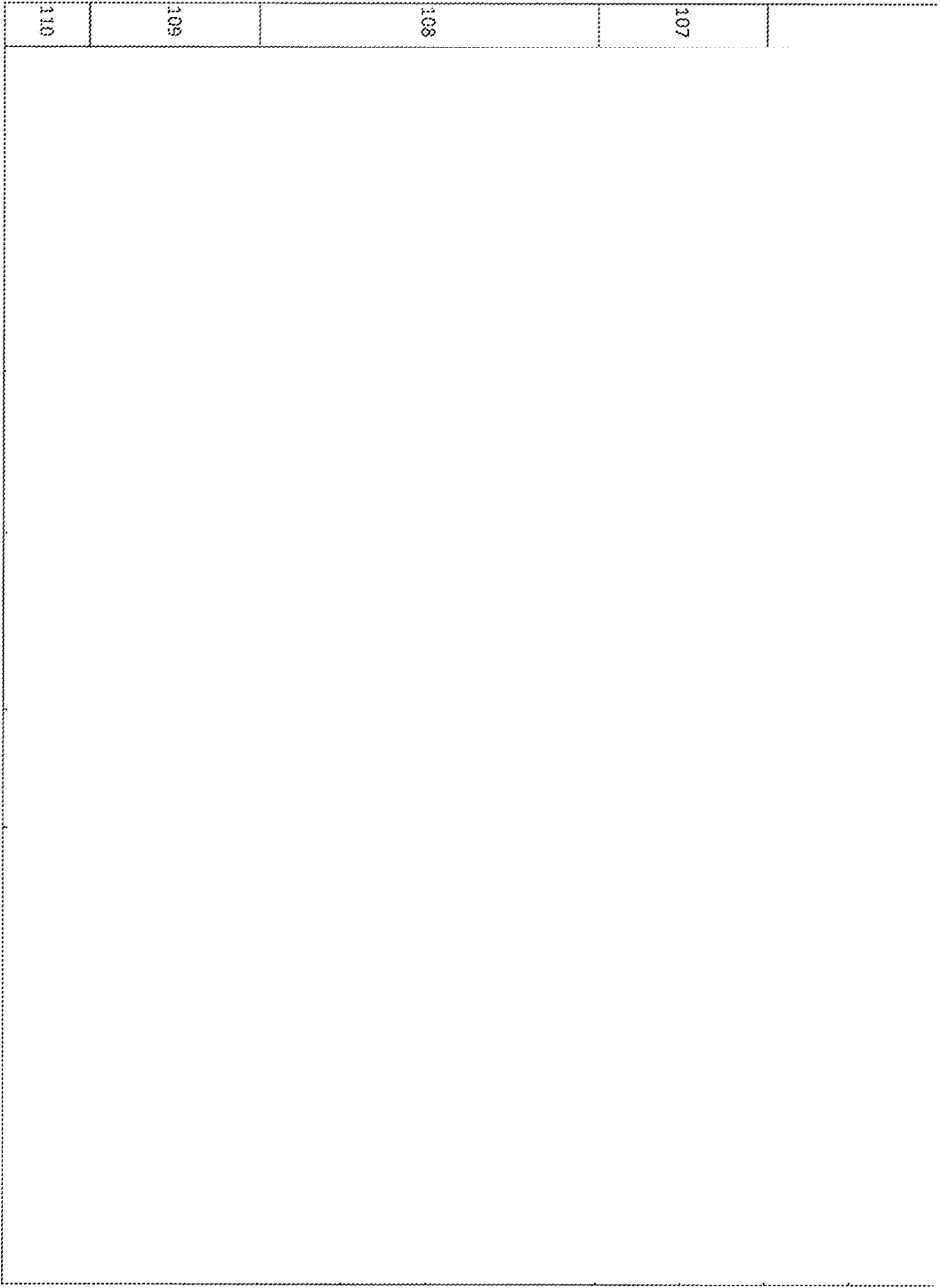




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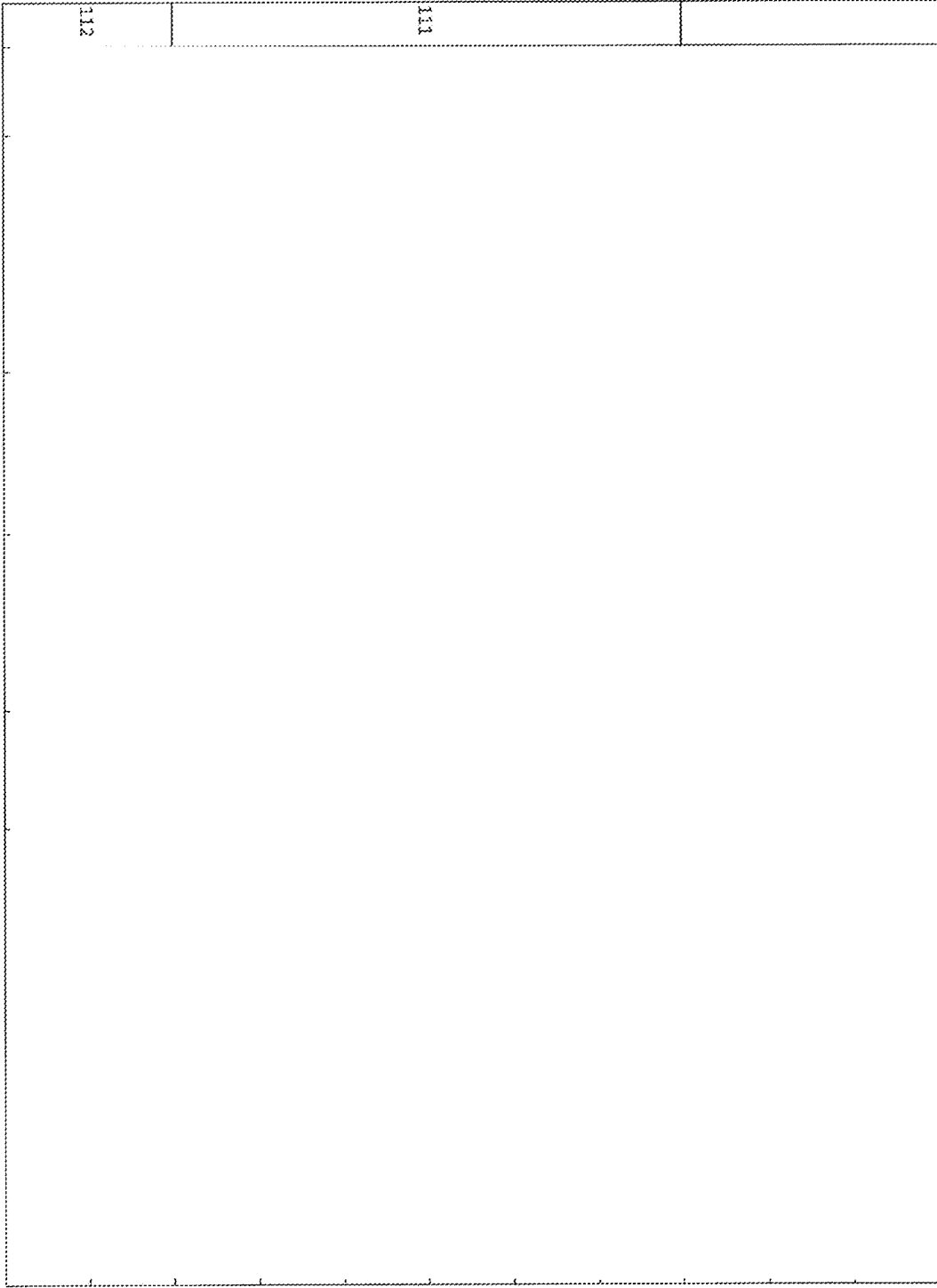
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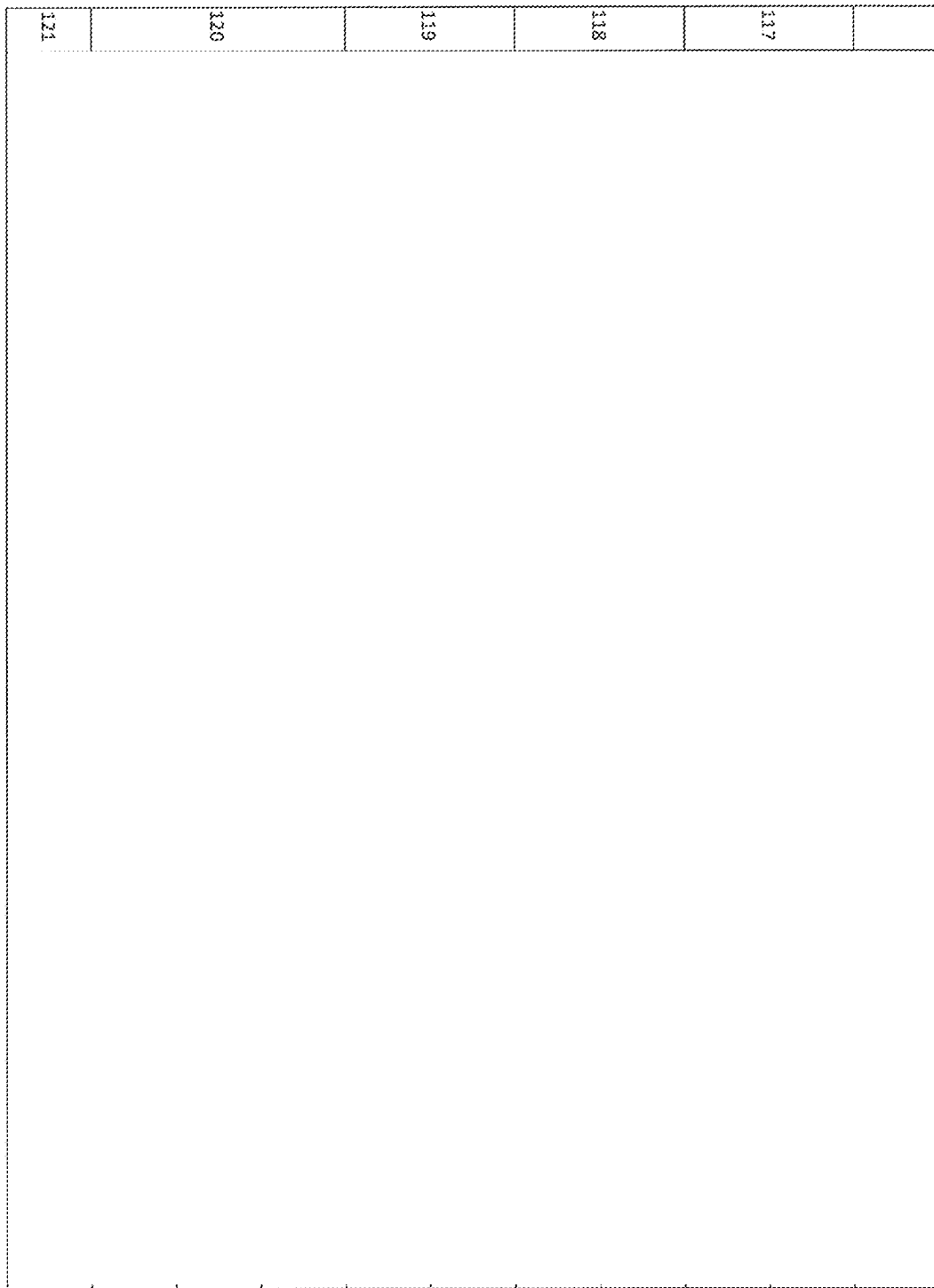
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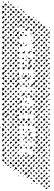


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130							
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133	MTKI-20-0999	MTKI-20-0999PCT	PCT/CN2020/133 508	N/A	2020-11-25	METHOD AND APPARATUS OF UNIFIED WEIGHT AND MOTION INDEXES DERIVATION FOR GEOMETRIC MERGE MODE IN VIDEO CODING	



						METHOD AND APPARATUS OF CROSS-COMPONENT ADAPTIVE LOOP FILTERING WITH VIRTUAL BOUNDARY FOR VIDEO CODING
134	MTKL-20-0100	MTKI-20-0100PCT	PCT/CN2020/103 523	N/A	2020-07-22	METHOD AND APPARATUS FOR SIGNALING HORIZONTAL WRAPAROUND MOTION COMPENSATION IN VR360 VIDEO CODING
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136	MTKI-20-0102	MTKI-20-0102PCT	PCT/CN2020/128 572	N/A	2020-11-13	METHOD AND APPARATUS FOR SIGNALING HORIZONTAL WRAPAROUND MOTION COMPENSATION IN VR360 VIDEO CODING
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139	MTKI-20-0116	MTKI-20-0116PCT	PCT/CN2020/115 481	N/A	2020-09-16	METHOD AND APPARATUS OF RESIDUAL CODING SELECTION FOR LOSSLESS CODING MODE IN VIDEO CODING
140	MTKI-20-0117	MTKI-20-0117PCT	PCT/CN2020/110 561	N/A	2020-08-21	METHOD AND APPARATUS OF PARTITIONING SMALL SIZE CODING UNITS WITH PARTITION CONSTRAINTS
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143	MTKI-20-0155	MTKI-20-0155PCT	PCT/CN2020/106 616	N/A	2020-08-03	METHOD AND APPARATUS OF ENCODING OR DECODING VIDEO DATA WITH INTRA PREDICTION MODE MAPPING
144	MTKI-20-0277	MTKI-20-0277PCT	PCT/CN2020/114 508	N/A	2020-09-10	SIGNALING OF SUBPICTURE STRUCTURES



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147	MTKI-20-0292	MTKI-20-0292PCT	PCT/CN2020/117397	N/A	2020-09-24	SIGNALING QUANTIZATION MATRIX



148	MTKI-20-0304	MTKI-20-0304PCT	PCT/CN2021/077	N/A	2021-02-25	METHODS AND APPARATUSES OF LOOP FILTER PARAMETER SIGNALING IN IMAGE OR VIDEO PROCESSING SYSTEM
149	MTKI-20-0354	MTKI-20-0354PCT	PCT/CN2020/118	N/A	2020-09-29	METHOD AND APPARATUS OF COMBINED INTER AND INTRA PREDICTION WITH DIFFERENT CHROMA FORMATS FOR VIDEO CODING
150	MTKI-20-0355	MTKI-20-0355PCT	PCT/CN2020/133	N/A	2020-12-04	METHODS AND APPARATUSES OF SYNTAX SIGNALING CONSTRAINT FOR CROSS-COMPONENT ADAPTIVE LOOP FILTER IN VIDEO CODING SYSTEM
151	MTKI-20-0358	MTKI-20-0358PCT	PCT/CN2020/115	N/A	2020-09-16	METHOD AND APPARATUS OF CONSTRAINED CROSS-COMPONENT ADAPTIVE LOOP FILTERING FOR VIDEO CODING
152	MTKI-20-0367	MTKI-20-0367PCT	PCT/CN2020/124	N/A	2020-10-29	VIDEO PROCESSING METHODS AND APPARATUSES HAVING BDP/CM SIZE CONSTRAINT CONSIDERING COLOR FORMAT SAMPLING STRUCTURE



		MTKI-20-0368PCT	PCT/CN2020/132 374	N/A	2020-11-27	SIGNALING MULTIPLE TRANSFORM SELECTION	
153	MTKI-20-0368						
		MTKI-20-0370PCT	PCT/CN2020/132 382	N/A	2020-11-27	Selective Switch for Parallel Processing	
154	MTKI-20-0370						
		MTKI-20-0376PCT	PCT/CN2021/077 654	N/A	2021-02-24	METHODS AND APPARATUS FOR SECONDARY TRANSFORM SIGNALING IN VIDEO CODING	
155	MTKI-20-0376						
		MTKI-20-0387PCT	PCT/CN2020/135 303	N/A	2020-12-10	METHODS AND APPARATUS FOR RESTRICTED SECONDARY TRANSFORM AND SIGNALING THEREOF IN IMAGE CODING	
156	MTKI-20-0387						



157	MTKI-20-0394	MTKI-20-0394PCT	PCT/CN2020/116 712	N/A	2020-09-22	METHOD AND APPARATUS OF SAMPLE CLIPPING FOR PREDICTION REFINEMENT WITH OPTICAL FLOW IN VIDEO CODING
158	MTKI-20-0395	MTKI-20-0395PCT	PCT/CN2020/117 046	N/A	2020-09-23	METHOD AND APPARATUS OF SEPARATED CODING TREE CODING WITH CONSTRAINTS ON MINIMUM CU SIZE
159	MTKI-20-0396	MTKI-20-0396PCT	PCT/CN2020/120 799	N/A	2020-10-14	SIGNALING BLOCK PARTITIONING STRUCTURE OF IMAGE AND VIDEO
160	MTKI-20-0404	MTKI-20-0404PCT	PCT/CN2020/125 429	N/A	2020-11-04	SIGNALING HIGH-LEVEL INFORMATION IN VIDEO AND IMAGE CODING
161						



162	MTKI-20-042A	MTKI-20-042APCT	PCT/CN2020/141402	N/A	2020-12-30	VIDEO ENCODING OR DECODING METHODS AND APPARATUSES RELATED TO HIGH-LEVEL INFORMATION SIGNALING	
163	MTKI-20-0470	MTKI-20-0470PCT	PCT/CN2020/135802	N/A	2020-12-11	METHOD AND APPARATUS OF SCALING WINDOW CONSTRAINT FOR WORST CASE BANDWIDTH CONSIDERATION FOR REFERENCE PICTURE RESAMPLING IN VIDEO CODING	
164	MTKI-20-0476	MTKI-20-0476PCT	PCT/CN2020/135801	N/A	2020-12-10	VIDEO ENCODING OR DECODING METHODS AND APPARATUSES WITH SCALING RATIO CONSTRAINT	
165	MTKI-20-0477	MTKI-20-0477PCT	PCT/CN2020/135817	N/A	2020-12-11	METHOD AND APPARATUS OF SCALING WINDOW CONSTRAINT FOR WORST CASE BANDWIDTH CONSIDERATION FOR REFERENCE PICTURE RESAMPLING IN VIDEO CODING	



166						
167	MTKI-20-0505	MTKI-20-0505PCT	PCT/CN2020/126 716	N/A	2020-11-05	METHOD AND APPARATUS OF SIGNALING SUBPICTURE INFORMATION IN VIDEO CODING
168	MTKI-20-0506	MTKI-20-0506PCT	PCT/CN2020/127 825	N/A	2020-11-10	METHOD AND APPARATUS OF SIGNALING ADAPTIVE MOTION VECTOR DIFFERENCE RESOLUTION IN VIDEO CODING
169	MTKI-20-0540	MTKI-20-0540PCT	PCT/CN2021/076 876	N/A	2021-02-19	CONSTRAINTS FOR INTER-LAYER REFERENCING



170	MTKI-20-0559	MTKI-20-0559PCT	PCT/CN2021/081 528	N/A	2021-03-18	METHOD AND APPARATUS FOR SIGNALING TILE AND SLICE PARTITION INFORMATION IN IMAGE AND VIDEO CODING
171	MTKI-20-0568	MTKI-20-0568PCT	PCT/CN2020/137 176	N/A	2020-12-17	METHOD AND APPARATUS OF CONSTRAINED LAYER-WISE VIDEO CODING
172	MTKI-20-0571	MTKI-20-0571PCT	PCT/CN2021/070 366	N/A	2021-01-08	Signaling Quantization Related Parameters
173	MTKI-21-0002	MTKI-21-0002PCT	PCT/CN2021/084 379	N/A	2021-04-01	METHOD AND APPARATUS FOR SIGNALING SLICE PARTITION INFORMATION IN IMAGE AND VIDEO CODING
174	MTKI-21-0003	MTKI-21-0003PCT	PCT/CN2021/089 824	N/A	2021-04-26	METHOD AND APPARATUS FOR IMPOSING BITSTREAM CONSTRAINTS IN VIDEO CODING



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	175	176	177	178

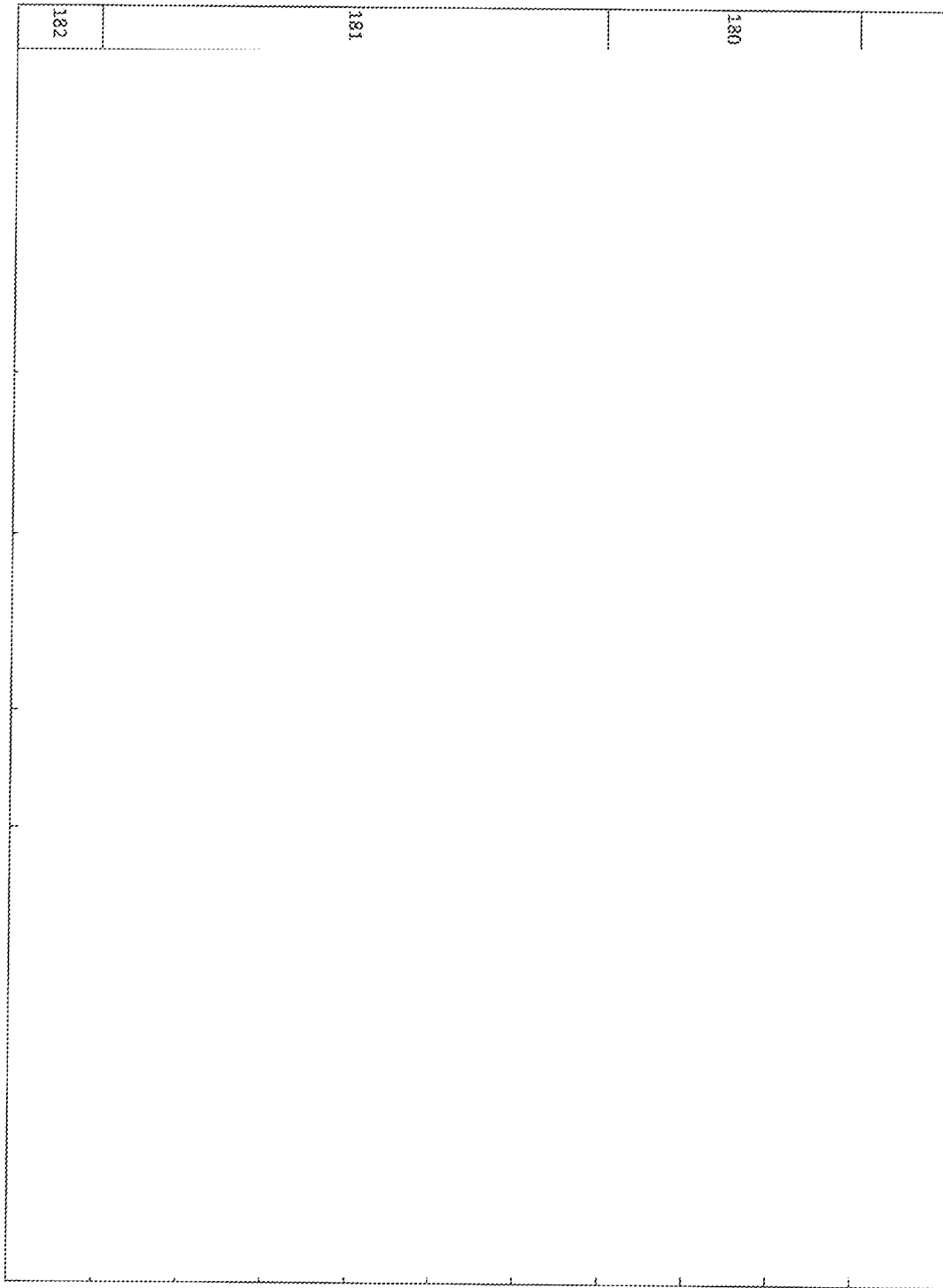


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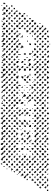
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190	193	192	
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