

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6604654

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SABIC GLOBAL TECHNOLOGIES B.V.	11/01/2020
RECEIVING PARTY DATA	
Name:	SHPP GLOBAL TECHNOLOGIES B.V.
Street Address:	PLASTICSLAAN 1
City:	BERGEN OP ZOOM
State/Country:	NETHERLANDS
Postal Code:	4612 PX
PROPERTY NUMBERS Total: 6	
Property Type	Number
Application Number:	15733944
Application Number:	16973893
Application Number:	17251035
Application Number:	17264111
Application Number:	17264599
Application Number:	17265172
CORRESPONDENCE DATA	
Fax Number:	(860)286-0115
<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:	8602862929
Email:	USPTOPATENTMAIL@CANTORCOLBURN.COM
Correspondent Name:	CANTOR COLBURN LLP
Address Line 1:	20 CHURCH STREET
Address Line 2:	22ND FLOOR
Address Line 4:	HARTFORD, CONNECTICUT 06103
NAME OF SUBMITTER:	LEAH M. REIMER
SIGNATURE:	/Leah M. Reimer/
DATE SIGNED:	03/16/2021
Total Attachments: 90	

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Confirmatory Assignment Agreement

This Confirmatory Assignment Agreement is made effective on 1st November 2020 (the "Effective Date")

BETWEEN **SASIC Global Technologies B.V.** at Plasticlaan 1, 4612 PX Bergen op Zoom, The Netherlands

(hereinafter referred to as "ASSIGNOR") of one part

AND **SHPP Global Technologies B.V.** at Plasticlaan 1, 4612 PX Bergen op Zoom, The Netherlands

(hereinafter referred to as "ASSIGNEE") of the other part

WHEREAS prior to the Effective Date, the Assignor held all right, title and interest in the patents, patent applications and trademark registrations having the patent or trademark number/s:

[Please see the attached schedule]

And whereas the Assignor has, as of the Effective Date, has sold, assigned, transferred and/or conveyed, and has agreed to sell, assign, transfer and/or convey all its right, title and interest in the said patents, patent applications and trademark registrations (as well as any continuing applications, extensions, renewals and grants thereof) (collectively, the "Intellectual Property") to the Assignee pursuant to a legal demerger under the laws of the Netherlands.

NOW THIS DEED WITNESSETH that in consideration of the sum of \$1.00 USD (One US Dollar) now paid by the Assignees to the Assignors (the receipt whereof the Assignors hereby acknowledge) the Assignor do hereby confirm that it has sold, assigned, transferred and conveyed unto the Assignee all of the Assignor's right, title and interest in and to the said Intellectual Property and the sole and exclusive benefits thereof and rights, powers and advantages whatsoever in or in respect of the said Intellectual Property TO HOLD the same unto the Assignee absolutely.

[Rest of page intentionally blank. Signature page follows.]

IN WITNESS THEREOF these presents have been executed by the parties, hereto in accordance with their respective constitutions the day the first above written.

EXECUTED at Houston Texas this 13 day of November 2020

On Behalf of SABIC Global Technologies B.V.

by the undersigned authorized officer thereof in the presence of the undersigned competent witness.

17B
Sign: _____

Name: John K. Abokhai

Designation: Chief Intellectual Property Counsel

EXECUTED at Katy, Texas, USA this 12th day of November 2020

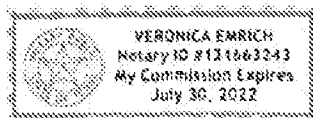
On Behalf of SHHP Global Technologies B.V

by the undersigned authorized officer thereof in the presence of the undersigned competent witness.

Sign: _____

Name: Thomas Barry

Designation: Managing Director



State of Texas
County of Harris

On this 13 day of Nov
2020

Signed before me

Veronica Emrich
Veronica Emrich

PATENT

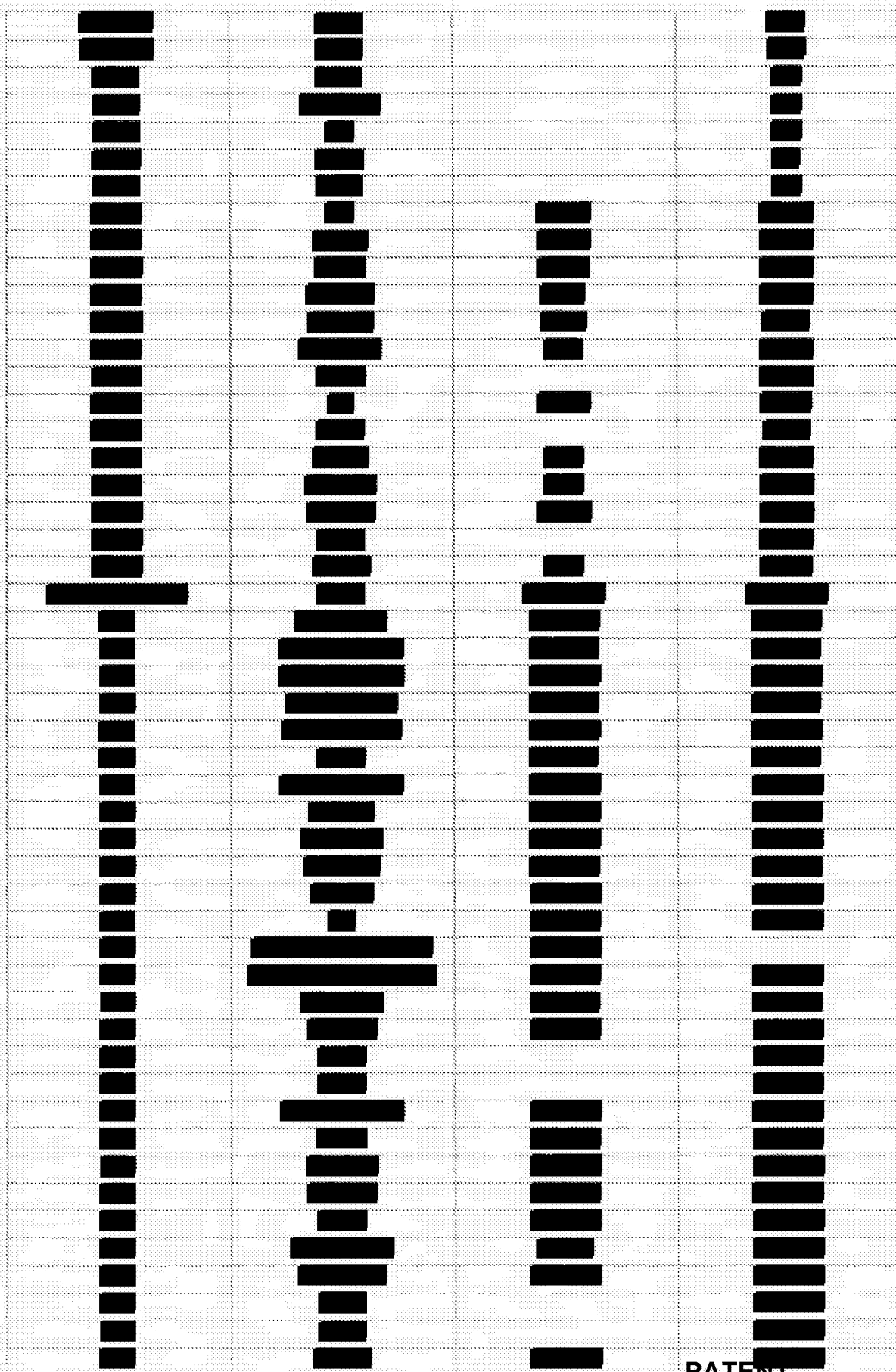
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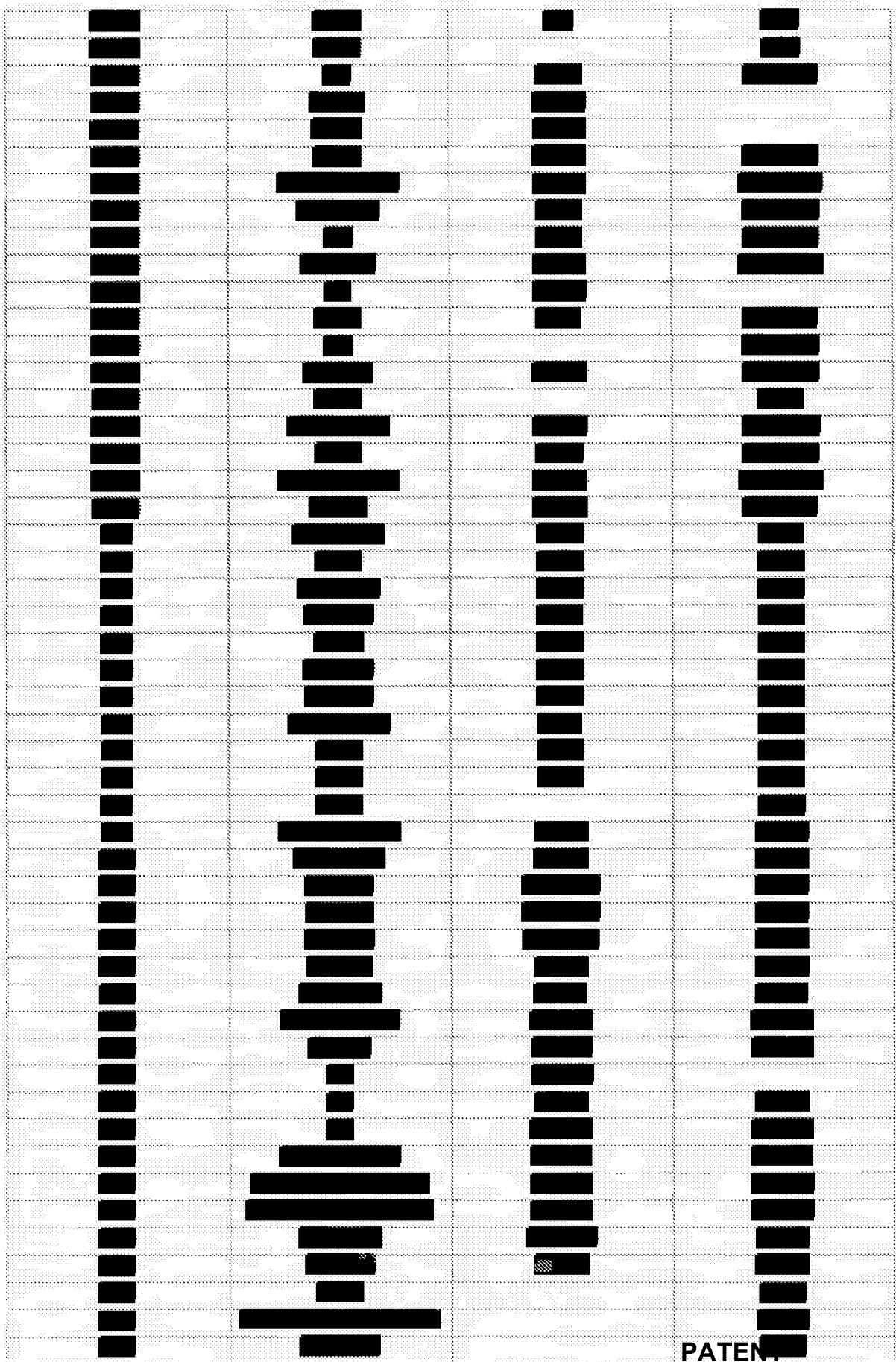
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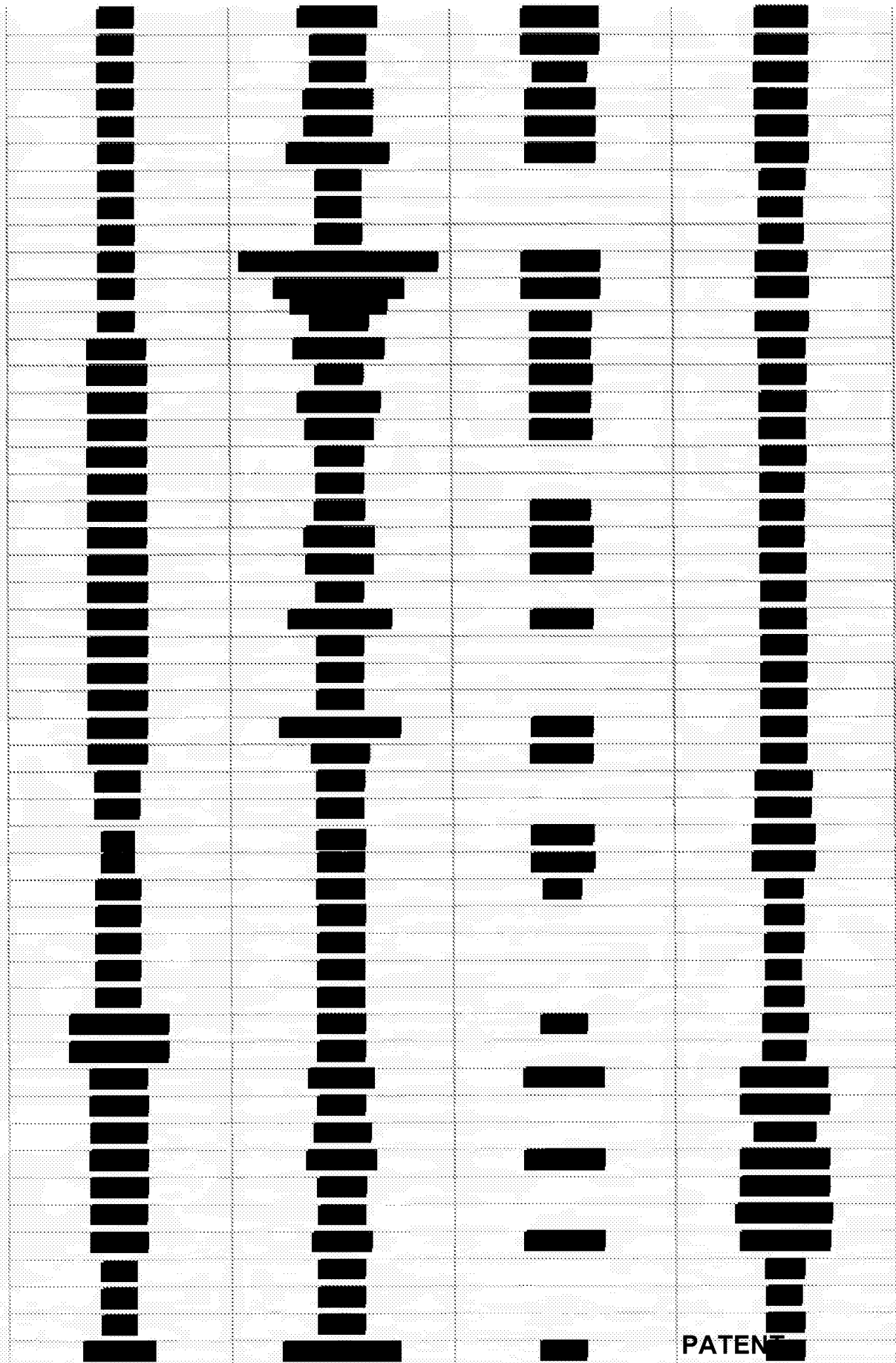
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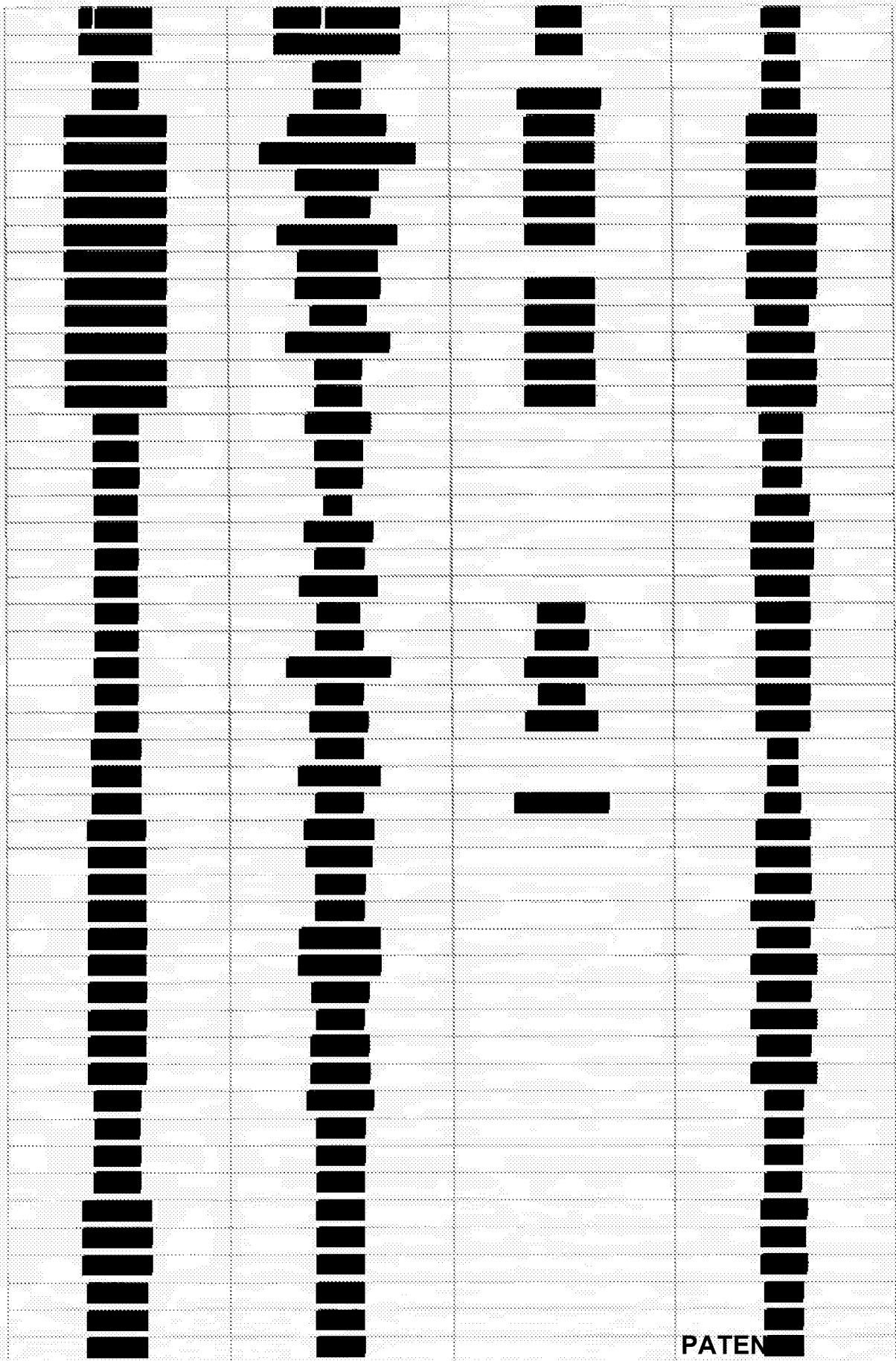
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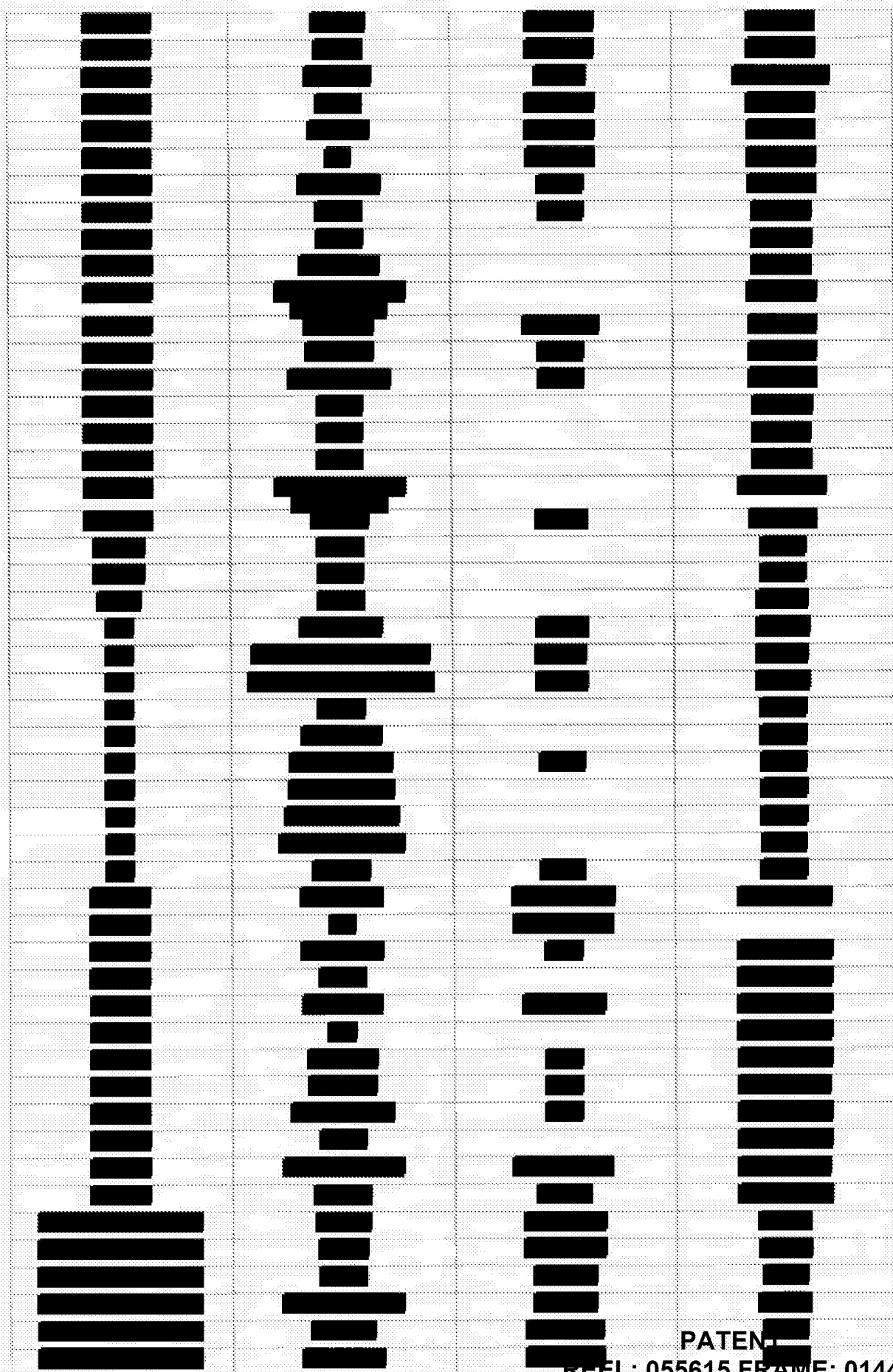
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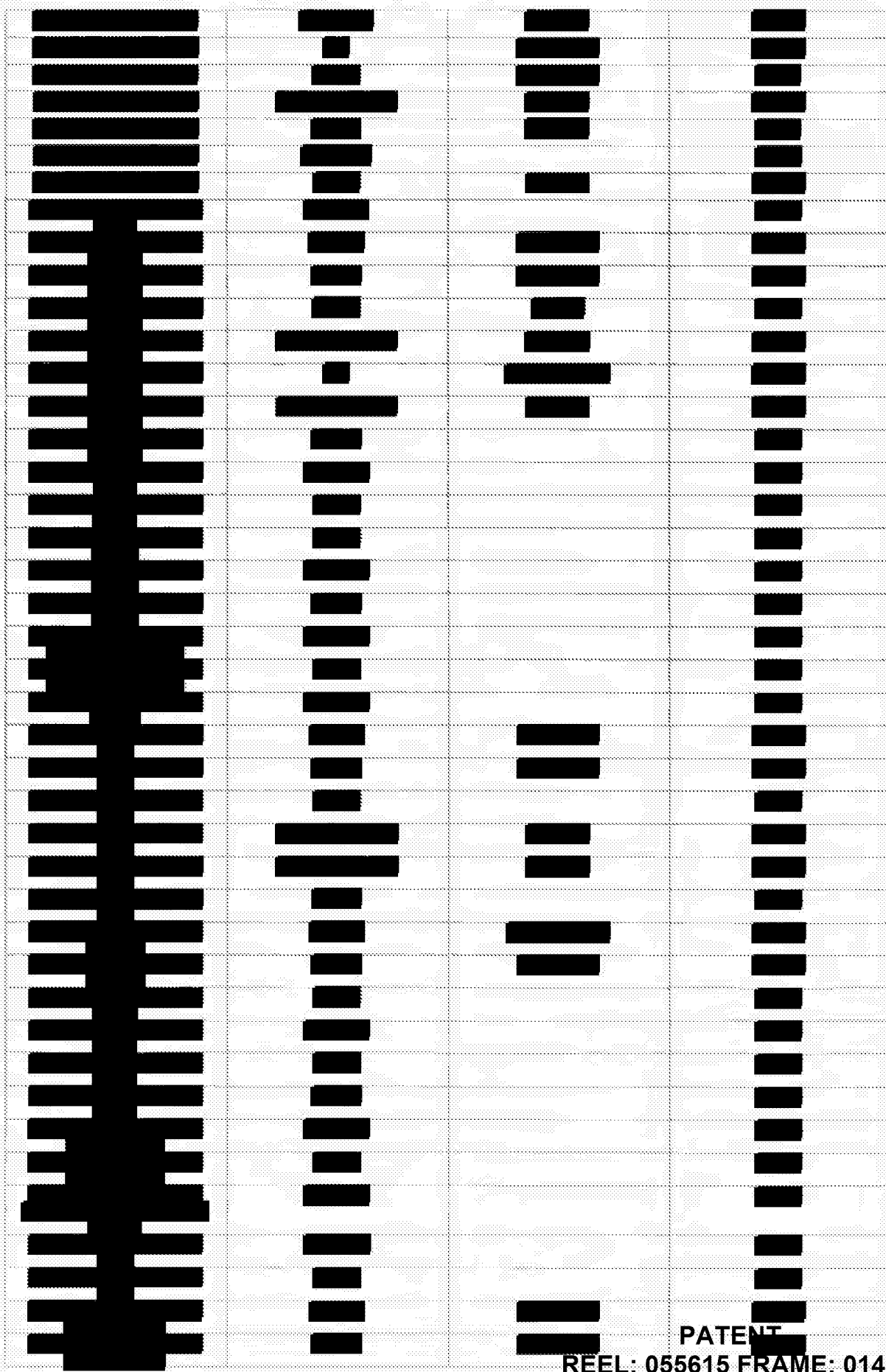


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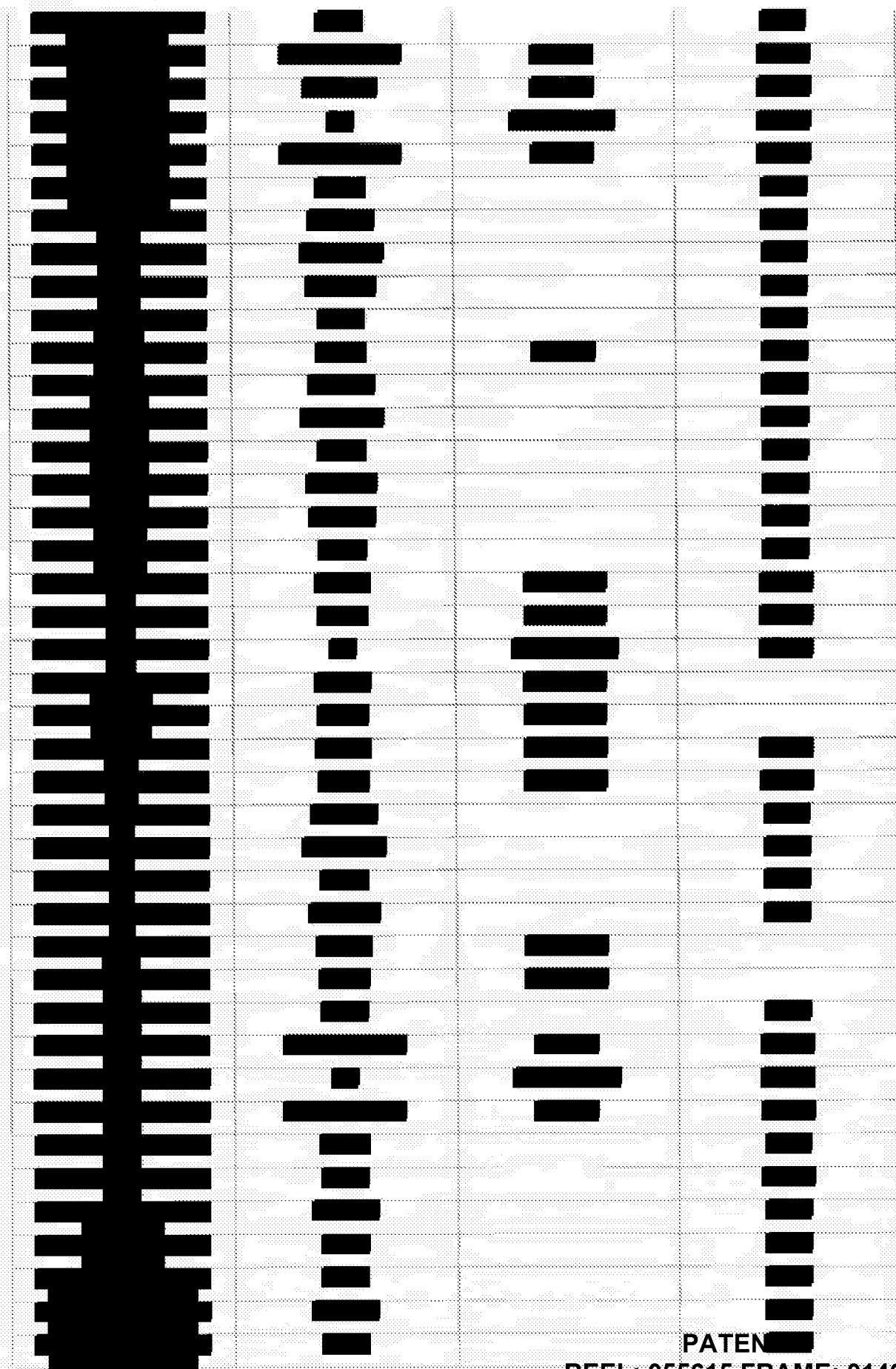
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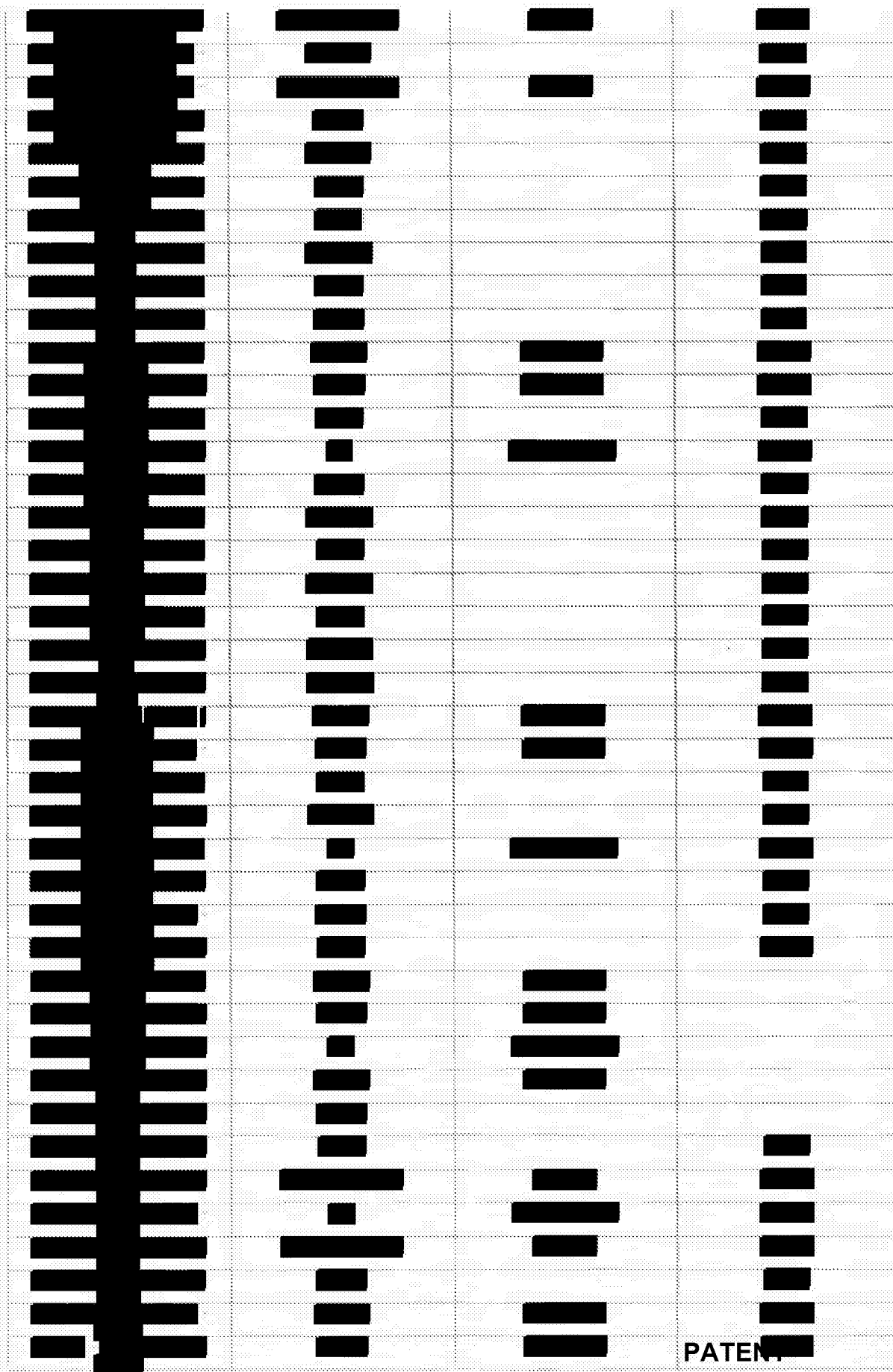


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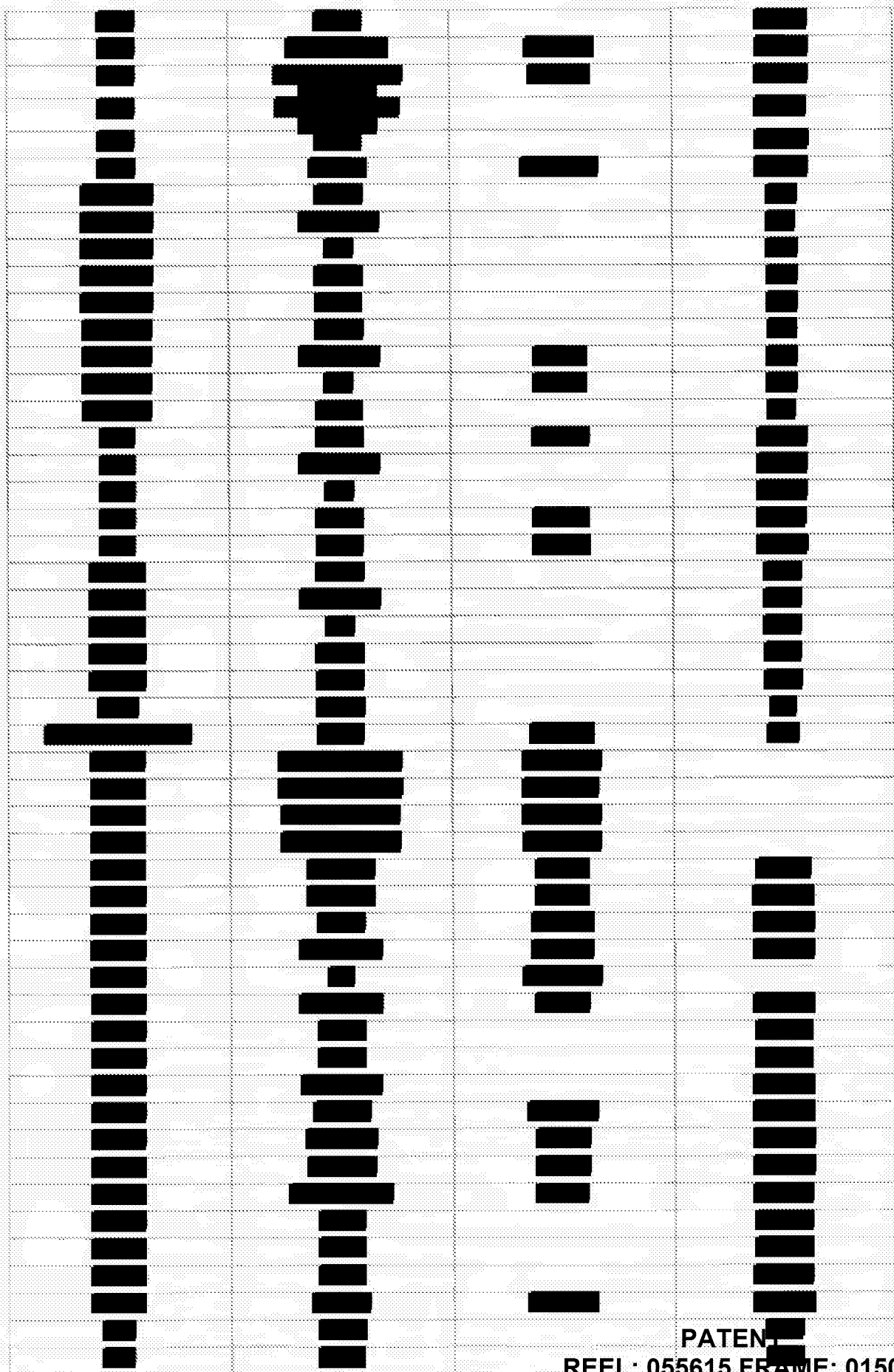
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A black and white photograph of a Patek Philippe wristwatch. The watch is oriented vertically, showing its rectangular case, a dark dial with a simple design, and a metal bracelet. The background is a light, textured surface. In the bottom right corner, the word "PATEK" is partially visible.

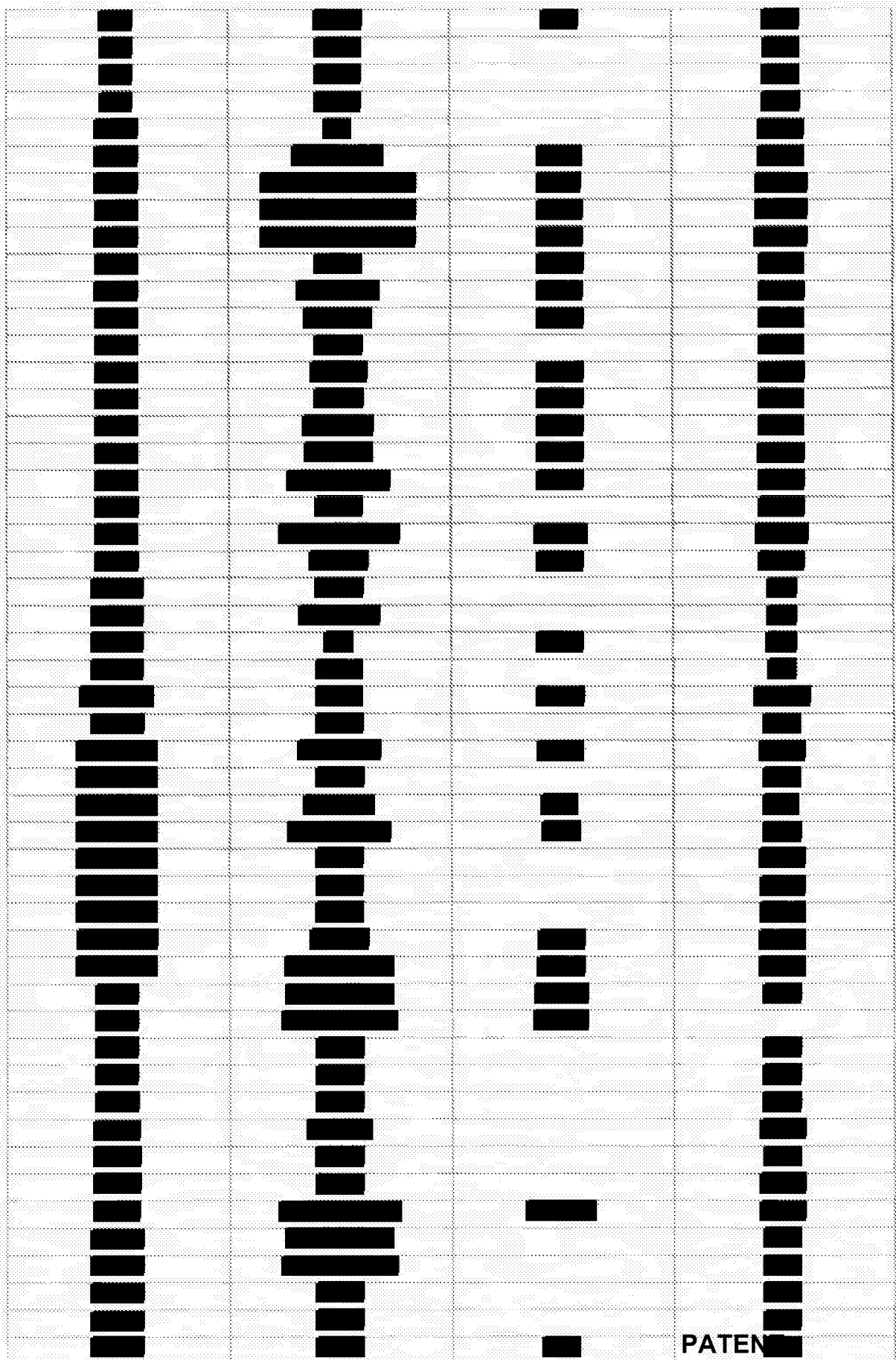
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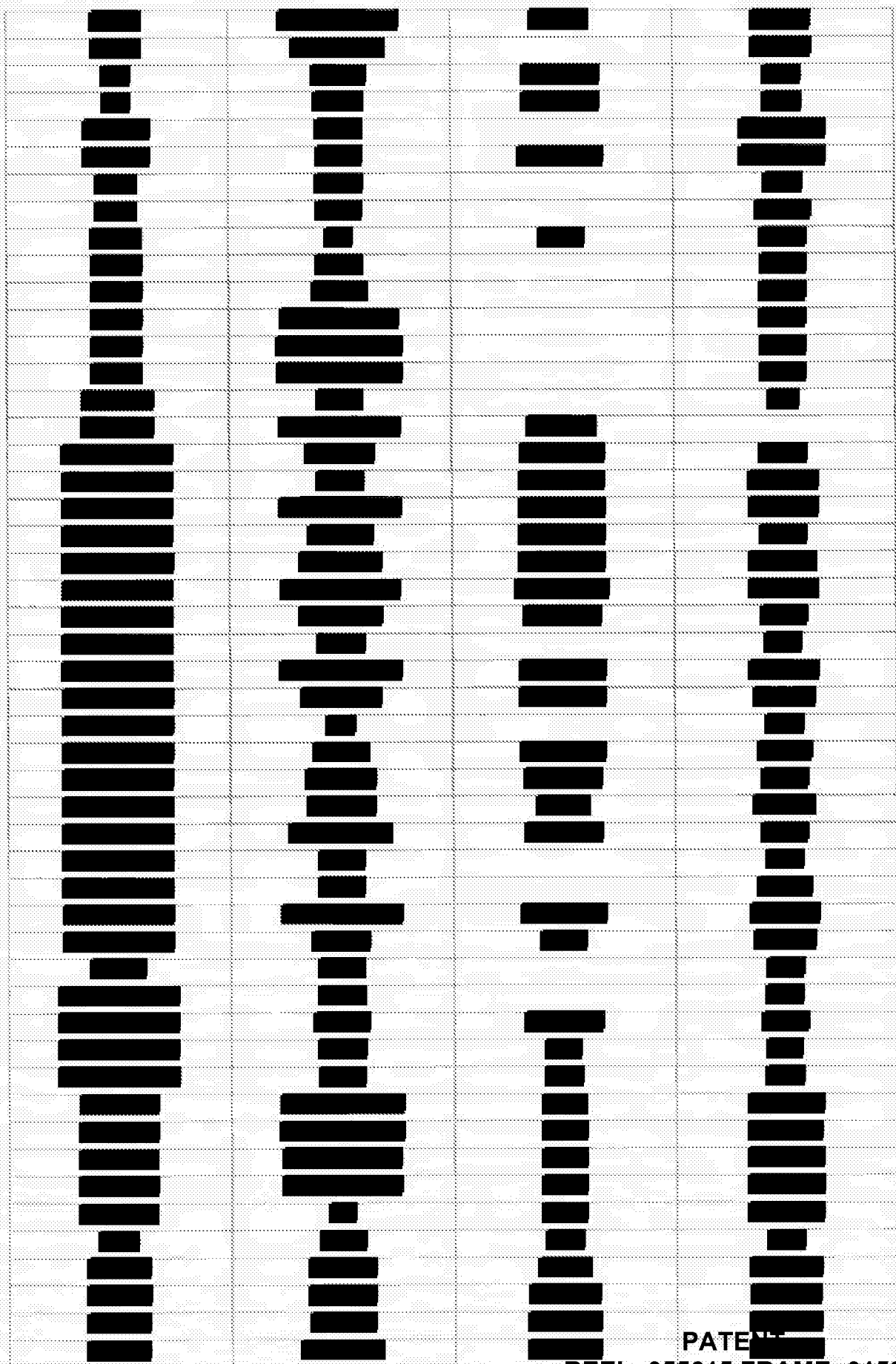
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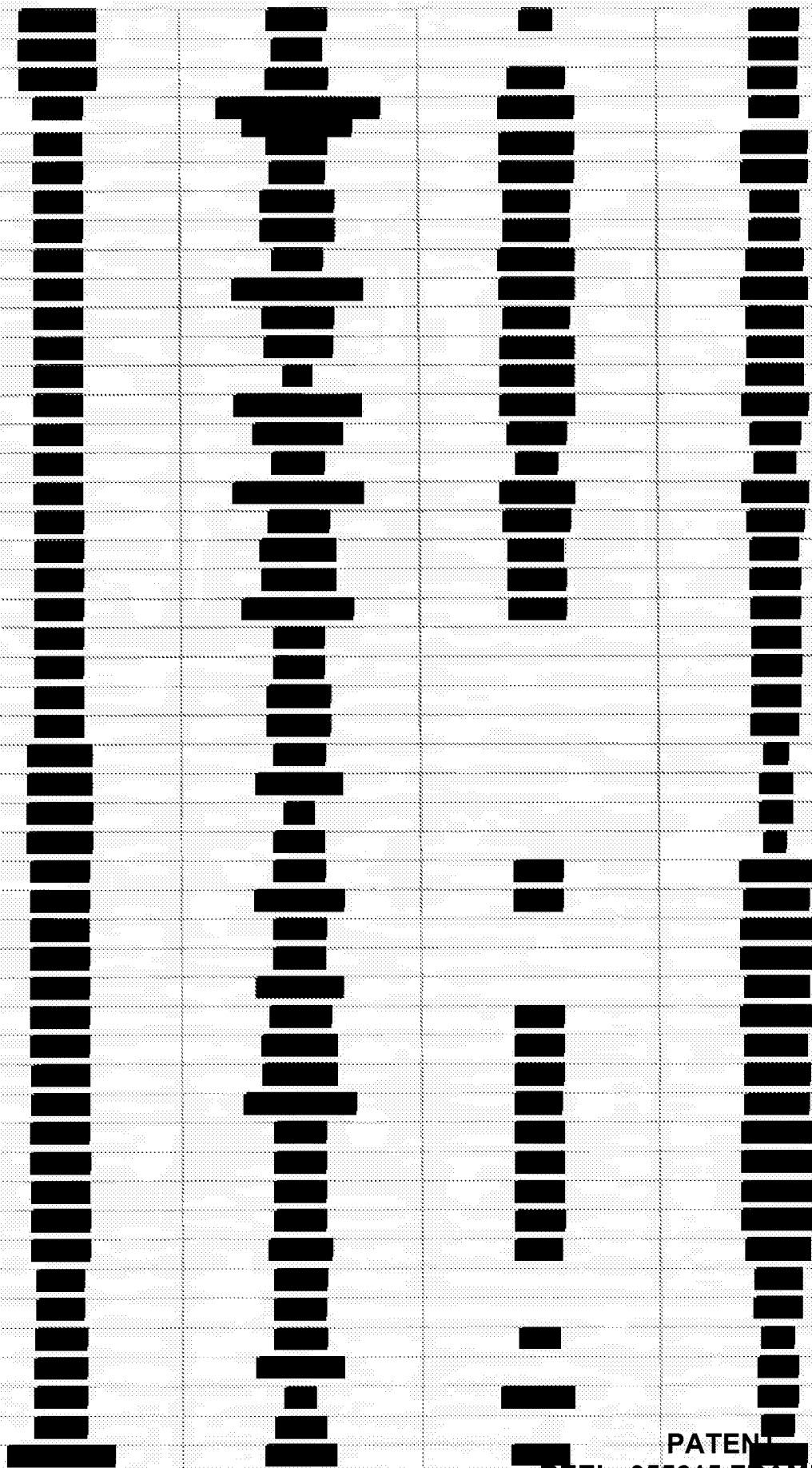
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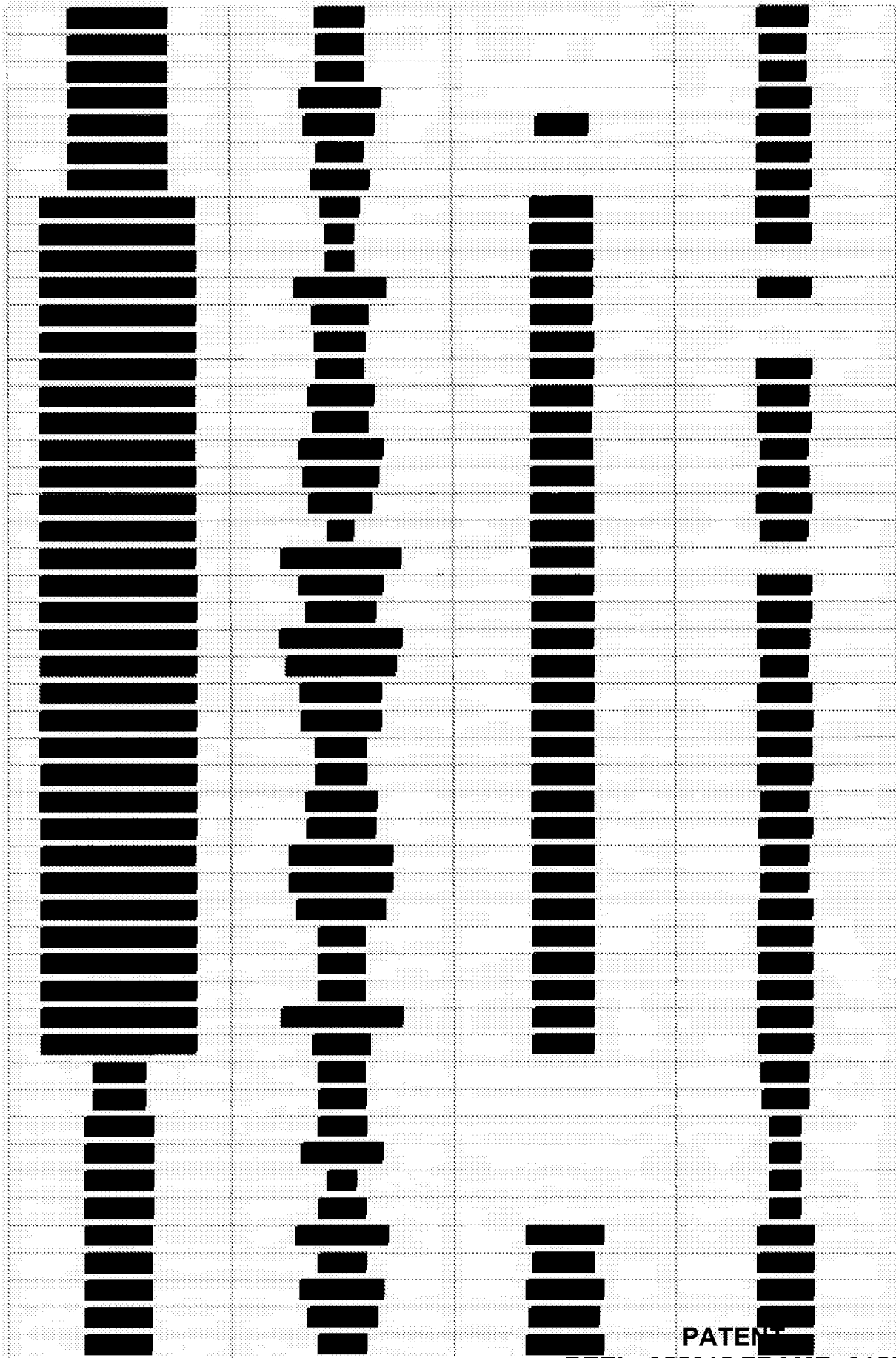
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1	2023-01-01	Patent application filed	Pending	
2	2023-01-05	Initial review completed	In Progress	
3	2023-01-10	First office action received	Pending	
4	2023-01-15	Response to first office action filed	In Progress	
5	2023-01-20	Second office action received	Pending	
6	2023-01-25	Response to second office action filed	In Progress	
7	2023-02-01	Third office action received	Pending	
8	2023-02-05	Response to third office action filed	In Progress	
9	2023-02-10	Fourth office action received	Pending	
10	2023-02-15	Response to fourth office action filed	In Progress	
11	2023-02-20	Fifth office action received	Pending	
12	2023-02-25	Response to fifth office action filed	In Progress	
13	2023-03-01	Sixth office action received	Pending	
14	2023-03-05	Response to sixth office action filed	In Progress	
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17	2023-03-20	Eighth office action received	Pending	
18	2023-03-25	Response to eighth office action filed	In Progress	
19	2023-04-01	Ninth office action received	Pending	
20	2023-04-05	Response to ninth office action filed	In Progress	
21	2023-04-10	Tenth office action received	Pending	
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23	2023-04-20	Eleventh office action received	Pending	
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25	2023-05-01	Twelfth office action received	Pending	
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49	2023-09-01	Twenty-fourth office action received	Pending	
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171	2025-05-10	Eighty-fifth office action received	Pending	
172	2025-05-15	Response to eighty-fifth office action filed	In Progress	
173	2025-05-20	Eighty-sixth office action received	Pending	
174	2025-05-25	Response to eighty-sixth office action filed	In Progress	
175	2025-06-01	Eighty-seventh office action received	Pending	
176	2025-06-05	Response to eighty-seventh office action filed	In Progress	
177	2025-06-10	Eighty-eighth office action received	Pending	
178	2025-06-15	Response to eighty-eighth office action filed	In Progress	
179	2025-06-20	Eighty-ninth office action received	Pending	
180	2025-06-25	Response to eighty-ninth office action filed	In Progress	
181	2025-07-01	Ninetieth office action received	Pending	
182	2025-07-05	Response to ninetieth office action filed	In Progress	
183	2025-07-10	Ninety-first office action received	Pending	
184	2025-07-15	Response to ninety-first office action filed	In Progress	
185	2025-07-20	Ninety-second office action received	Pending	
186	2025-07-25	Response to ninety-second office action filed	In Progress	
187	2025-08-01	Ninety-third office action received	Pending	
188	2025-08-05	Response to ninety-third office action filed	In Progress	
189	2025-08-10	Ninety-fourth office action received	Pending	
190	2025-08-15	Response to ninety-fourth office action filed	In Progress	
191	2025-08-20	Ninety-fifth office action received	Pending	
192	2025-08-25	Response to ninety-fifth office action filed	In Progress	
193	2025-09-01	Ninety-sixth office action received	Pending	
194	2025-09-05	Response to ninety-sixth office action filed	In Progress	
195	2025-09-10	Ninety-seventh office action received	Pending	
196	2025-09-15	Response to ninety-seventh office action filed	In Progress	
197	2025-09-20	Ninety-eighth office action received	Pending	
198	2025-09-25	Response to ninety-eighth office action filed	In Progress	
199	2025-10-01	Ninety-ninth office action received	Pending	
200	2025-10-05	Response to ninety-ninth office action filed	In Progress	
201	2025-10-10	Hundredth office action received	Pending	
202	2025-10-15	Response to hundredth office action filed	In Progress	
203	2025-10-20	Hundredth and first office action received	Pending	
204	2025-10-25	Response to hundredth and first office action filed	In Progress	
205	2025-11-01	Hundredth and second office action received	Pending	
206	2025-11-05	Response to hundredth and second office action filed	In Progress	
207	2025-11-10	Hundredth and third office action received	Pending	
208	2025-11-15	Response to hundredth and third office action filed	In Progress	
209	2025-11-20	Hundredth and fourth office action received	Pending	
210	2025-11-25	Response to hundredth and fourth office action filed	In Progress	
211	2025-12-01	Hundredth and fifth office action received	Pending	
212	2025-12-05	Response to hundredth and fifth office action filed	In Progress	
213	2025-12-10	Hundredth and sixth office action received	Pending	
214	2025-12-15	Response to hundredth and sixth office action filed	In Progress	
215	2025-12-20	Hundredth and seventh office action received	Pending	
216	2025-12-25	Response to hundredth and seventh office action filed	In Progress	
217	2026-01-01	Hundredth and eighth office action received	Pending	
218	2026-01-05	Response to hundredth and eighth office action filed	In Progress	
219	2026-01-10	Hundredth and ninth office action received	Pending	
220	2026-01-15	Response to hundredth and ninth office action filed	In Progress	
221	2026-01-20	Hundredth and tenth office action received	Pending	
222	2026-01-25	Response to hundredth and tenth office action filed	In Progress	
223	2026-02-01	Hundredth and eleventh office action received	Pending	
224	2026-02-05	Response to hundredth and eleventh office action filed	In Progress	
225	2026-02-10	Hundredth and twelfth office action received	Pending	
226	2026-02-15	Response to hundredth and twelfth office action filed	In Progress	
227	2026-02-20	Hundredth and thirteenth office action received	Pending	
228	2026-02-25	Response to hundredth and thirteenth office action filed	In Progress	
229	2026-03-01	Hundredth and fourteenth office action received	Pending	
230	2026-03-05	Response to hundredth and fourteenth office action filed	In Progress	
231	2026-03-10	Hundredth and fifteenth office action received	Pending	
232	2026-03-15	Response to hundredth and fifteenth office action filed	In Progress	
233	2026-03-20	Hundredth and sixteenth office action received	Pending	
234	2026-03-25	Response to hundredth and sixteenth office action filed	In Progress	
235	2026-04-01	Hundredth and seventeenth office action received	Pending	
236	2026-04-05	Response to hundredth and seventeenth office action filed	In Progress	
237	2026-04-10	Hundredth and eighteenth office action received	Pending	
238	2026-04-15	Response to hundredth and eighteenth office action filed	In Progress	
239	2026-04-20	Hundredth and nineteenth office action received	Pending	
240	2026-04-25	Response to hundredth and nineteenth office action filed	In Progress	
241	2026-05-01	Hundredth and twentieth office action received	Pending	
242	2026-05-05	Response to hundredth and twentieth office action filed	In Progress	
243	2026-05-10	Hundredth and twenty-first office action received	Pending	
244	2026-05-15	Response to hundredth and twenty-first office action filed	In Progress	
245	2026-05-20	Hundredth and twenty-second office action received	Pending	
246	2026-05-25	Response to hundredth and twenty-second office action filed	In Progress	
247	2026-06-01	Hundredth and twenty-third office action received	Pending	
248	2026-06-05	Response to hundredth and twenty-third office action filed	In Progress	
249	2026-06-10	Hundredth and twenty-fourth office action received	Pending	
250	2026-06-15	Response to hundredth and twenty-fourth office action filed	In Progress	
251	2026-06-20	Hundredth and twenty-fifth office action received	Pending	
252	2026-06-25	Response to hundredth and twenty-fifth office action filed	In Progress	
253	2026-07-01	Hundredth and twenty-sixth office action received	Pending	
254	2026-07-05	Response to hundredth and twenty-sixth office action filed	In Progress	
255	202			

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REEL: 055615 FRAME: 0163

[illegible]

Introduction

PATENT

Abstract—The purpose of this study was to determine the effect of a 12-week training program on the heart rate (HR) and energy expenditure (EE) of sedentary, middle-aged women. The subjects were 12 sedentary women, 30 to 45 years of age, who were randomly selected from a telephone directory. The subjects were divided into two groups: a control group and an exercise group. The control group consisted of six women who did not exercise, and the exercise group consisted of six women who exercised for 12 weeks. The exercise group was divided into two subgroups: a low-intensity group and a high-intensity group. The low-intensity group exercised at 50% of their maximum HR, and the high-intensity group exercised at 70% of their maximum HR. The subjects were monitored for 12 weeks, and their HR and EE were measured at the beginning and end of the study. The results showed that the exercise group had a significant increase in HR and EE compared to the control group. The high-intensity group had a significantly greater increase in HR and EE than the low-intensity group. The results suggest that a 12-week training program can improve the cardiovascular fitness and energy expenditure of sedentary, middle-aged women.

PATENT

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[REDACTED]

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REEL: 055615 FRAME: 0176



Discussion

PATENT

REEL: 055615 FRAME: 0178

Abstract The purpose of this study was to determine whether there were differences in the prevalence of self-reported depression between men and women who had been exposed to violence during childhood and adulthood. Data from the National Longitudinal Study of Adolescent Health (*N = 9,800*) are used to examine the association between exposure to violence and self-reported depression among adolescents. Results indicate that exposure to violence during childhood and adulthood is associated with higher rates of self-reported depression. Furthermore, the association between exposure to violence and self-reported depression is stronger for women than for men.

PATENT

REEL: 055615 FRAME: 0180

REEL: 055615 FRAME: 0181

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

PATENT

REEL: 055615 FRAME: 0182

[illegible][illegible]

PATENT

References

PATENT

REEL: 055615 FRAME: 0184

[REDACTED]

[REDACTED]

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Country	Patents (approx.)
United States	95,000
China	65,000
Japan	55,000
Germany	45,000
France	40,000
United Kingdom	15,000
Italy	35,000
Spain	30,000
Sweden	25,000
South Korea	35,000
India	20,000
Canada	25,000
Israel	20,000
Australia	20,000
Brazil	15,000
South Africa	10,000

PATENT

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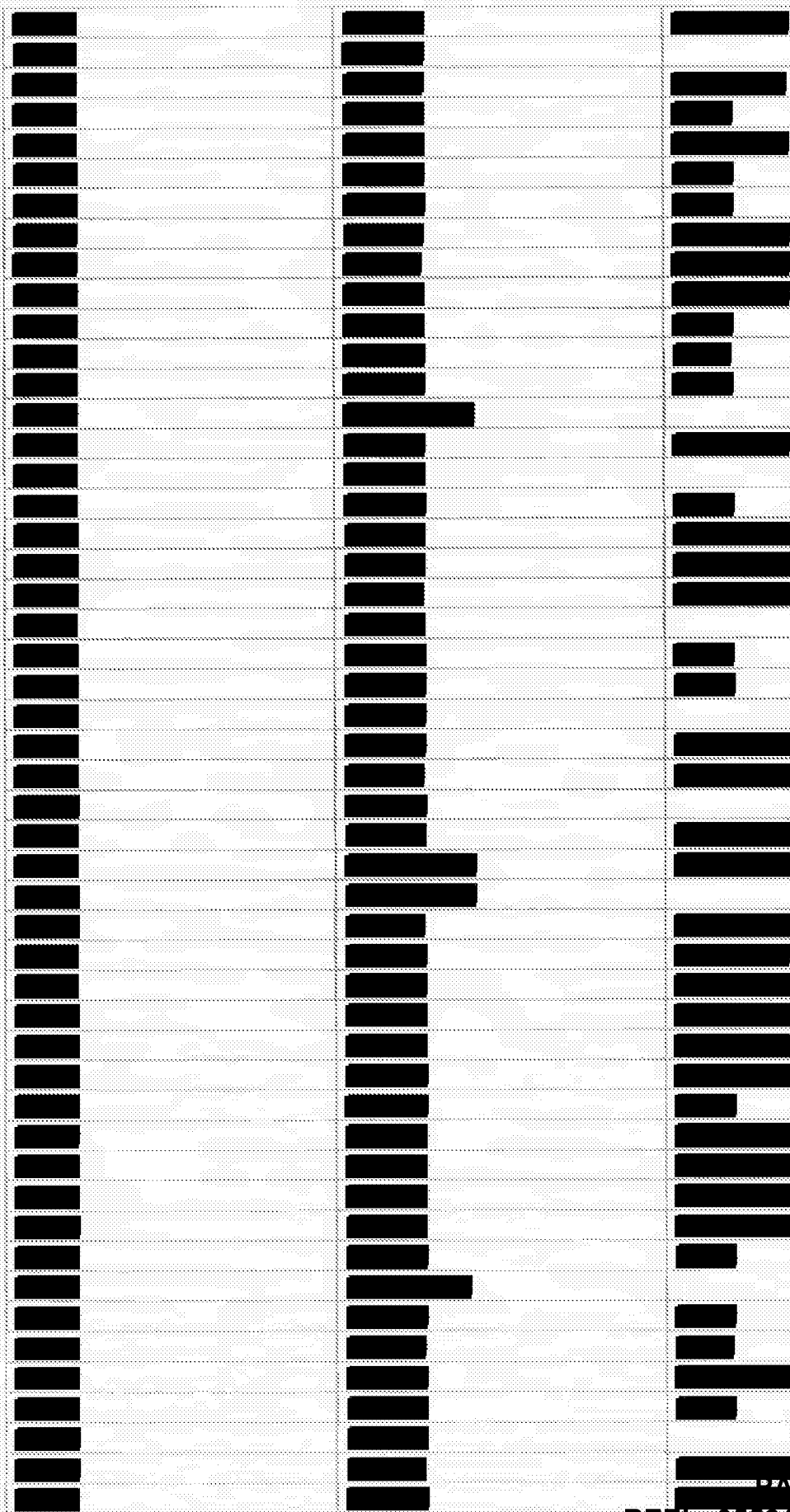
A vertical strip of 30 film frames, each containing a black and white image. The images are arranged in a grid-like pattern, with each frame separated by a thin white border. The images appear to be a sequence of frames from a film, showing various scenes and objects. The strip is oriented vertically, with the frames stacked one on top of the other.

[illegible]

A horizontal bar chart titled 'U.S. should take action to address climate change'. The y-axis lists age groups: 18-29, 30-49, 50-69, 70+, and 'All'. The x-axis shows percentages from 0 to 100. For each age group, there are two bars: a solid black bar for 'Total' and a patterned bar for 'Men'. The data is as follows:

Age Group	Total (%)	Men (%)
18-29	88	88
30-49	85	85
50-69	78	78
70+	72	72
All	78	78

REEL: 055615 FRAME: 0188



Abstract The purpose of this study was to determine whether there were differences in the prevalence of self-reported depression between men and women who had been exposed to violence by intimate partners. Data from the National Longitudinal Study of Women's Health are used. Results show that among those who have ever been married, 6% of men and 9% of women reported having experienced depression during their lifetime. Among those who had been married at least once and were currently married, 7% of men and 8% of women reported having experienced depression during their lifetime. Among those who had been married at least once and were currently separated or divorced, 10% of men and 12% of women reported having experienced depression during their lifetime. Among those who had never been married, 3% of men and 4% of women reported having experienced depression during their lifetime. These results suggest that exposure to violence by intimate partners may increase the risk of depression.

[illegible]

A horizontal bar chart titled 'U.S. should take action to address climate change'. The y-axis lists age groups: 18-29, 30-49, 50-69, 70+, and 'All'. The x-axis shows percentages from 0 to 100. For each age group, there are two bars: a solid black bar for 'Total' and a hatched bar for 'Men'. The data is as follows:

Age Group	Total (%)	Men (%)
18-29	88	85
30-49	85	82
50-69	82	78
70+	78	75
All	80	78

PATENT

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REEL: 055615 FRAME: 0191

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

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97	97	97
98	98	98
99	99	99
100	100	100

PATENT
REEL: 055615 FRAME: 0192

[illegible]

[REDACTED]

International Procedure

[REDACTED]

International Priorities

[REDACTED]

[REDACTED]

PCT/US19/044277

[REDACTED]

PCT/US18/043617

[REDACTED]

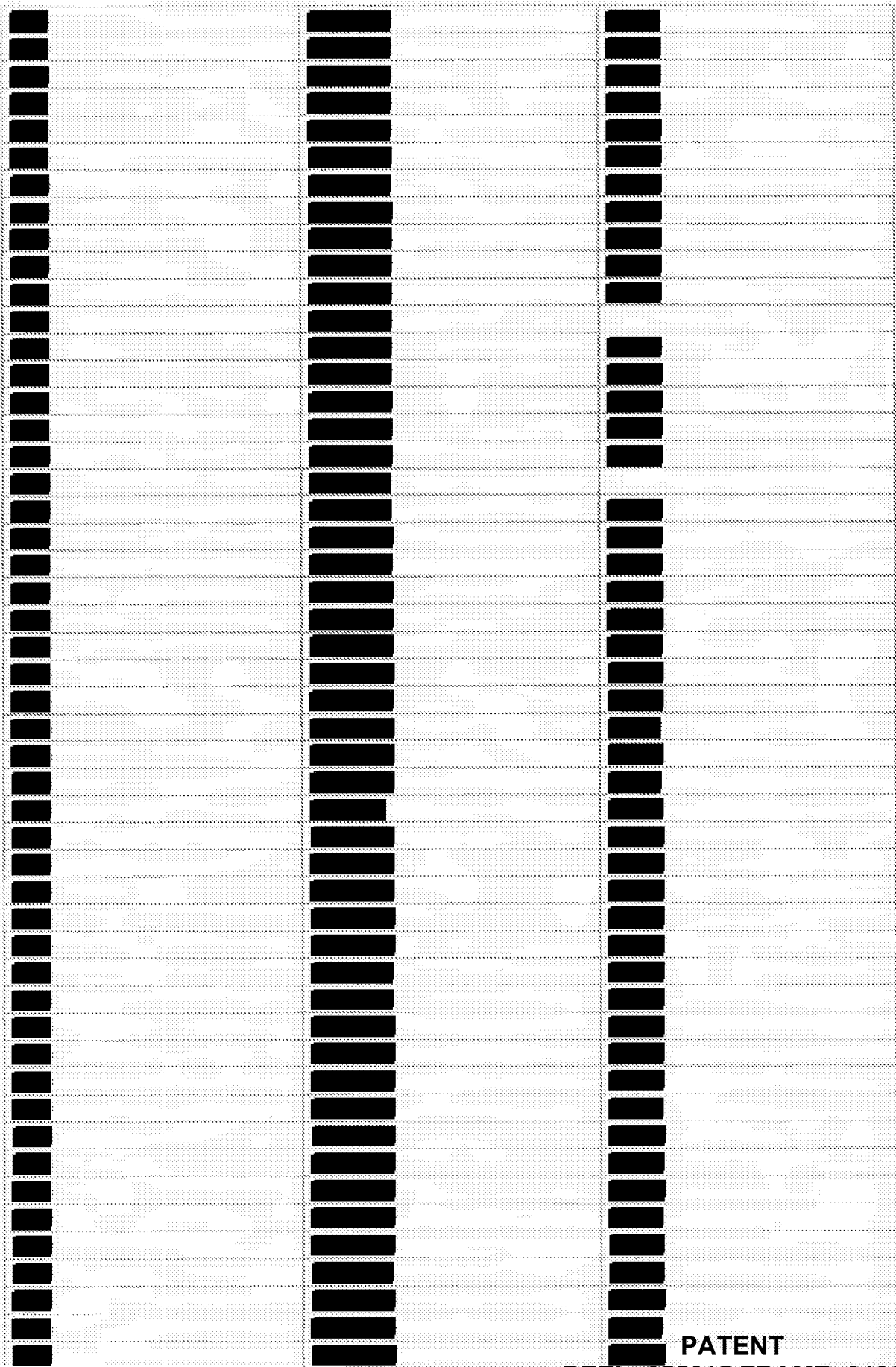
[REDACTED]

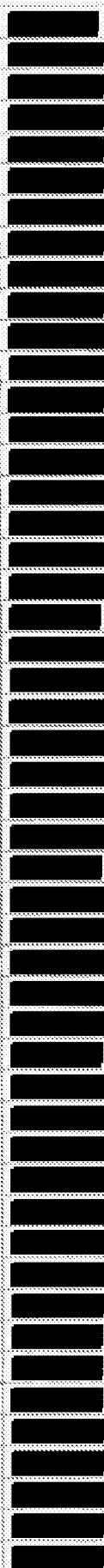
[illegible][illegible][illegible]

Comorbidity	Percentage
Depression	100
Anxiety	100
PTSD	100
Substance Use	100
Personality Disorder	100
Bipolar Disorder	100
Schizophrenia	100
Major Depressive Disorder	100
Generalized Anxiety Disorder	100
Post-Traumatic Stress Disorder	100

PATENT

REEL: 055615 FRAME: 0195





PATENT

REEL: 055615 FRAME: 0198

[REDACTED]

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PATENT

[REDACTED]

[illegible]

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FL 0550

REEL: 055615 FRAME: 0201

[REDACTED]

[REDACTED]

[REDACTED]

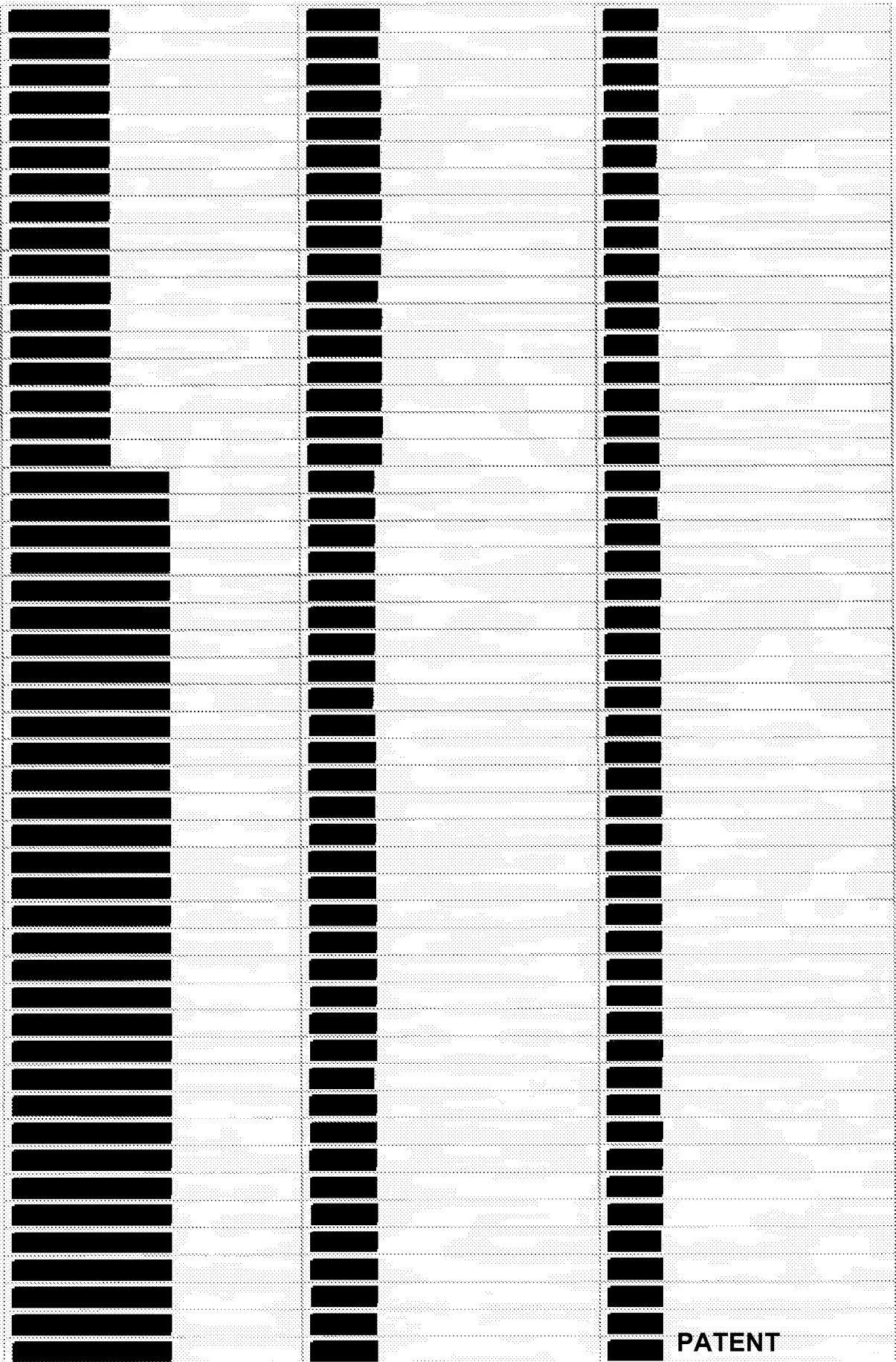
PATENT

[REDACTED]

[illegible][illegible]

REEL: 055615 FRAME: 0204

The image displays a 3x10 grid of 30 horizontal bars. Each bar is composed of a unique pattern of black and white segments. The patterns are diverse, ranging from solid black bars to bars with complex, irregular black shapes. Some bars feature repeating geometric motifs, while others are more abstract. The overall effect is a visual representation of a large, varied dataset or a collection of unique identifiers.



PATENT

REEL: 055615 FRAME: 0206



PATENT

REEL: 055615 FRAME: 0207

Category	Item	Value	Unit
Category 1	Item 1.1	10	kg
	Item 1.2	20	kg
	Item 1.3	30	kg
	Item 1.4	40	kg
	Item 1.5	50	kg
	Item 1.6	60	kg
	Item 1.7	70	kg
	Item 1.8	80	kg
	Item 1.9	90	kg
	Item 1.10	100	kg
	Item 1.11	110	kg
	Item 1.12	120	kg
	Item 1.13	130	kg
	Item 1.14	140	kg
	Item 1.15	150	kg
	Item 1.16	160	kg
	Item 1.17	170	kg
	Item 1.18	180	kg
	Item 1.19	190	kg
	Item 1.20	200	kg
Category 2	Item 2.1	10	kg
	Item 2.2	20	kg
	Item 2.3	30	kg
	Item 2.4	40	kg
	Item 2.5	50	kg
	Item 2.6	60	kg
	Item 2.7	70	kg
	Item 2.8	80	kg
	Item 2.9	90	kg
	Item 2.10	100	kg
	Item 2.11	110	kg
	Item 2.12	120	kg
	Item 2.13	130	kg
	Item 2.14	140	kg
	Item 2.15	150	kg
	Item 2.16	160	kg
	Item 2.17	170	kg
	Item 2.18	180	kg
	Item 2.19	190	kg
	Item 2.20	200	kg
Category 3	Item 3.1	10	kg
	Item 3.2	20	kg
	Item 3.3	30	kg
	Item 3.4	40	kg
	Item 3.5	50	kg
	Item 3.6	60	kg
	Item 3.7	70	kg
	Item 3.8	80	kg
	Item 3.9	90	kg
	Item 3.10	100	kg
	Item 3.11	110	kg
	Item 3.12	120	kg
	Item 3.13	130	kg
	Item 3.14	140	kg
	Item 3.15	150	kg
	Item 3.16	160	kg
	Item 3.17	170	kg
	Item 3.18	180	kg
	Item 3.19	190	kg
	Item 3.20	200	kg
Category 4	Item 4.1	10	kg
	Item 4.2	20	kg
	Item 4.3	30	kg
	Item 4.4	40	kg
	Item 4.5	50	kg
	Item 4.6	60	kg
	Item 4.7	70	kg
	Item 4.8	80	kg
	Item 4.9	90	kg
	Item 4.10	100	kg
	Item 4.11	110	kg
	Item 4.12	120	kg
	Item 4.13	130	kg
	Item 4.14	140	kg
	Item 4.15	150	kg
	Item 4.16	160	kg
	Item 4.17	170	kg
	Item 4.18	180	kg
	Item 4.19	190	kg
	Item 4.20	200	kg
Category 5	Item 5.1	10	kg
	Item 5.2	20	kg
	Item 5.3	30	kg
	Item 5.4	40	kg
	Item 5.5	50	kg
	Item 5.6	60	kg
	Item 5.7	70	kg
	Item 5.8	80	kg
	Item 5.9	90	kg
	Item 5.10	100	kg
	Item 5.11	110	kg
	Item 5.12	120	kg
	Item 5.13	130	kg
	Item 5.14	140	kg
	Item 5.15	150	kg
	Item 5.16	160	kg
	Item 5.17	170	kg
	Item 5.18	180	kg
	Item 5.19	190	kg
	Item 5.20	200	kg
Category 6	Item 6.1	10	kg
	Item 6.2	20	kg
	Item 6.3	30	kg
	Item 6.4	40	kg
	Item 6.5	50	kg
	Item 6.6	60	kg
	Item 6.7	70	kg
	Item 6.8	80	kg
	Item 6.9	90	kg
	Item 6.10	100	kg
	Item 6.11	110	kg
	Item 6.12	120	kg
	Item 6.13	130	kg
	Item 6.14	140	kg
	Item 6.15	150	kg
	Item 6.16	160	kg
	Item 6.17	170	kg
	Item 6.18	180	kg
	Item 6.19	190	kg
	Item 6.20	200	kg
Category 7	Item 7.1	10	kg
	Item 7.2	20	kg
	Item 7.3	30	kg
	Item 7.4	40	kg
	Item 7.5	50	kg
	Item 7.6	60	kg
	Item 7.7	70	kg
	Item 7.8	80	kg
	Item 7.9	90	kg
	Item 7.10	100	kg
	Item 7.11	110	kg
	Item 7.12	120	kg
	Item 7.13	130	kg
	Item 7.14	140	kg
	Item 7.15	150	kg
	Item 7.16	160	kg
	Item 7		

[illegible]

[REDACTED]

Country of Origin	Percentage
Germany	100%
France	90%
Italy	80%
Spain	70%
United Kingdom	60%
United States	50%
Canada	40%
Australia	30%
New Zealand	20%
South Africa	10%
India	5%
China	3%
Japan	2%
Korea	1%
Others	1%

1. The first step in the process is to identify the problem or goal. This involves understanding the current situation and what needs to be achieved.

2. Once the problem is identified, the next step is to gather information. This can be done through research, interviews, or data analysis.

3. After gathering information, the next step is to analyze the data. This involves looking for patterns, trends, and insights that can help inform the decision-making process.

4. Once the data has been analyzed, the next step is to develop a plan. This involves determining the best course of action to achieve the goal.

5. The final step in the process is to implement the plan. This involves putting the plan into action and monitoring progress.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	8												

[illegible]

REEL: 055615 FRAME: 0210

[REDACTED]

[REDACTED]

[REDACTED]

PATENT

REEL: 055615 FRAME: 0211

[REDACTED]

Age Group	Sample (%)	Population (%)
18	12	8
19	10	7
20	15	10
21	18	12
22	20	15
23	25	18
24	30	22
25	28	20
26	25	18
27	22	15
28	20	12
29	18	10
30	15	8
31	12	5
32	10	3
33	8	2
34	5	1
35	3	0
36	2	0
37	1	0
38	1	0
39	1	0
40	1	0
41	1	0
42	1	0
43	1	0
44	1	0
45	1	0
46	1	0
47	1	0
48	1	0
49	1	0
50	1	0
51	1	0
52	1	0
53	1	0
54	1	0
55	1	0
56	1	0
57	1	0
58	1	0
59	1	0
60	1	0
61	1	0
62	1	0
63	1	0
64	1	0
65	1	0
66	1	0
67	1	0
68	1	0
69	1	0
70	1	0
71	1	0
72	1	0
73	1	0
74	1	0
75+	1	0

REEL: 055615 FRAME: 0212

[REDACTED]

[REDACTED]

[REDACTED]

PATENT
REF ID: A6015 FRAME-00

PATENT

REEL: 055615 FRAME: 0214

[REDACTED]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

REEL: 055615 FRAME: 0216

[REDACTED]

[REDACTED]

[REDACTED]

PATENT

[REDACTED]

[REDACTED]

[REDACTED]

1. *Journal of the American Medical Association*, 1997; 278: 1541-1545.

Year	Patent
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PATENT
REEL: 055615 FRAME: 0219

Category	Item	Value	Unit
Category 1	Item 1.1	10	kg
	Item 1.2	20	kg
	Item 1.3	30	kg
	Item 1.4	40	kg
	Item 1.5	50	kg
	Item 1.6	60	kg
	Item 1.7	70	kg
	Item 1.8	80	kg
	Item 1.9	90	kg
	Item 1.10	100	kg
Category 2	Item 2.1	10	kg
	Item 2.2	20	kg
	Item 2.3	30	kg
	Item 2.4	40	kg
	Item 2.5	50	kg
	Item 2.6	60	kg
	Item 2.7	70	kg
	Item 2.8	80	kg
	Item 2.9	90	kg
	Item 2.10	100	kg
Category 3	Item 3.1	10	kg
	Item 3.2	20	kg
	Item 3.3	30	kg
	Item 3.4	40	kg
	Item 3.5	50	kg
	Item 3.6	60	kg
	Item 3.7	70	kg
	Item 3.8	80	kg
	Item 3.9	90	kg
	Item 3.10	100	kg
Category 4	Item 4.1	10	kg
	Item 4.2	20	kg
	Item 4.3	30	kg
	Item 4.4	40	kg
	Item 4.5	50	kg
	Item 4.6	60	kg
	Item 4.7	70	kg
	Item 4.8	80	kg
	Item 4.9	90	kg
	Item 4.10	100	kg
Category 5	Item 5.1	10	kg
	Item 5.2	20	kg
	Item 5.3	30	kg
	Item 5.4	40	kg
	Item 5.5	50	kg
	Item 5.6	60	kg
	Item 5.7	70	kg
	Item 5.8	80	kg
	Item 5.9	90	kg
	Item 5.10	100	kg
Category 6	Item 6.1	10	kg
	Item 6.2	20	kg
	Item 6.3	30	kg
	Item 6.4	40	kg
	Item 6.5	50	kg
	Item 6.6	60	kg
	Item 6.7	70	kg
	Item 6.8	80	kg
	Item 6.9	90	kg
	Item 6.10	100	kg
Category 7	Item 7.1	10	kg
	Item 7.2	20	kg
	Item 7.3	30	kg
	Item 7.4	40	kg
	Item 7.5	50	kg
	Item 7.6	60	kg
	Item 7.7	70	kg
	Item 7.8	80	kg
	Item 7.9	90	kg
	Item 7.10	100	kg
Category 8	Item 8.1	10	kg
	Item 8.2	20	kg
	Item 8.3	30	kg
	Item 8.4	40	kg
	Item 8.5	50	kg
	Item 8.6	60	kg
	Item 8.7	70	kg
	Item 8.8	80	kg
	Item 8.9	90	kg
	Item 8.10	100	kg
Category 9	Item 9.1	10	kg
	Item 9.2	20	kg
	Item 9.3	30	kg
	Item 9.4	40	kg
	Item 9.5	50	kg
	Item 9.6	60	kg
	Item 9.7	70	kg
	Item 9.8	80	kg
	Item 9.9	90	kg
	Item 9.10	100	kg
Category 10	Item 10.1	10	kg
	Item 10.2	20	kg
	Item 10.3	30	kg
	Item 10.4	40	kg
	Item 10.5	50	kg
	Item 10.6	60	kg
	Item 10.7	70	kg
	Item 10.8	80	kg
	Item 10.9	90	kg
	Item 10.10	100	kg

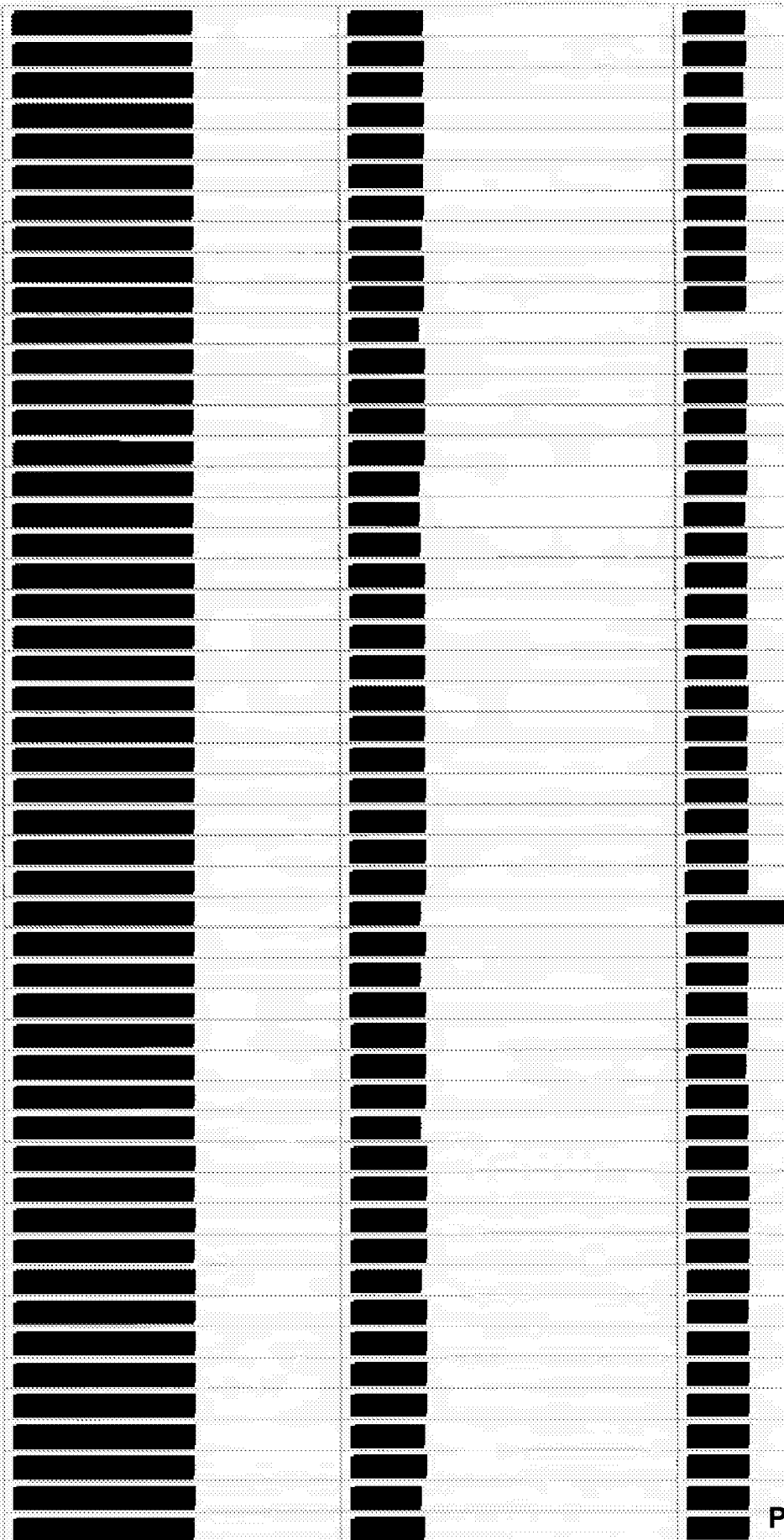
Question	Yes (%)
1. Are you a member of a religious organization?	10
2. Do you believe in God?	10
3. Do you believe in the Bible?	10
4. Do you believe in the resurrection of the dead?	10
5. Do you believe in the Last Judgment?	10
6. Do you believe in the Virgin Mary?	10
7. Do you believe in the saints?	10
8. Do you believe in the angels?	10
9. Do you believe in the demons?	10
10. Do you believe in the devil?	10
11. Do you believe in the hell?	10
12. Do you believe in the heaven?	10
13. Do you believe in the soul?	10
14. Do you believe in the spirit?	10
15. Do you believe in the life after death?	10
16. Do you believe in the resurrection of the body?	10
17. Do you believe in the resurrection of the soul?	10
18. Do you believe in the resurrection of the mind?	10
19. Do you believe in the resurrection of the emotions?	10
20. Do you believe in the resurrection of the intellect?	10
21. Do you believe in the resurrection of the will?	10
22. Do you believe in the resurrection of the memory?	10
23. Do you believe in the resurrection of the imagination?	10
24. Do you believe in the resurrection of the reason?	10
25. Do you believe in the resurrection of the understanding?	10
26. Do you believe in the resurrection of the wisdom?	10
27. Do you believe in the resurrection of the knowledge?	10
28. Do you believe in the resurrection of the power?	10
29. Do you believe in the resurrection of the glory?	10
30. Do you believe in the resurrection of the honor?	10
31. Do you believe in the resurrection of the riches?	10
32. Do you believe in the resurrection of the health?	10
33. Do you believe in the resurrection of the life?	10
34. Do you believe in the resurrection of the peace?	10
35. Do you believe in the resurrection of the joy?	10
36. Do you believe in the resurrection of the love?	10
37. Do you believe in the resurrection of the hope?	10
38. Do you believe in the resurrection of the faith?	10
39. Do you believe in the resurrection of the charity?	10
40. Do you believe in the resurrection of the grace?	10
41. Do you believe in the resurrection of the mercy?	10
42. Do you believe in the resurrection of the kindness?	10
43. Do you believe in the resurrection of the gentleness?	10
44. Do you believe in the resurrection of the meekness?	10
45. Do you believe in the resurrection of the patience?	10
46. Do you believe in the resurrection of the long-suffering?	10
47. Do you believe in the resurrection of the forbearance?	10
48. Do you believe in the resurrection of the self-control?	10
49. Do you believe in the resurrection of the temperance?	10
50. Do you believe in the resurrection of the chastity?	10
51. Do you believe in the resurrection of the modesty?	10
52. Do you believe in the resurrection of the humility?	10
53. Do you believe in the resurrection of the simplicity?	10
54. Do you believe in the resurrection of the purity?	10
55. Do you believe in the resurrection of the holiness?	10
56. Do you believe in the resurrection of the righteousness?	10
57. Do you believe in the resurrection of the justice?	10
58. Do you believe in the resurrection of the truth?	10
59. Do you believe in the resurrection of the beauty?	10
60. Do you believe in the resurrection of the goodness?	10
61. Do you believe in the resurrection of the nobility?	10
62. Do you believe in the resurrection of the magnificence?	10
63. Do you believe in the resurrection of the grandeur?	10
64. Do you believe in the resurrection of the splendor?	10
65. Do you believe in the resurrection of the majesty?	10
66. Do you believe in the resurrection of the glory?	10
67. Do you believe in the resurrection of the honor?	10
68. Do you believe in the resurrection of the riches?	10
69. Do you believe in the resurrection of the health?	10
70. Do you believe in the resurrection of the life?	10
71. Do you believe in the resurrection of the peace?	10
72. Do you believe in the resurrection of the joy?	10
73. Do you believe in the resurrection of the love?	10
74. Do you believe in the resurrection of the hope?	10
75. Do you believe in the resurrection of the faith?	10
76. Do you believe in the resurrection of the charity?	10
77. Do you believe in the resurrection of the grace?	10
78. Do you believe in the resurrection of the mercy?	10
79. Do you believe in the resurrection of the kindness?	10
80. Do you believe in the resurrection of the gentleness?	10
81. Do you believe in the resurrection of the meekness?	10
82. Do you believe in the resurrection of the patience?	10
83. Do you believe in the resurrection of the long-suffering?	10
84. Do you believe in the resurrection of the forbearance?	10
85. Do you believe in the resurrection of the self-control?	10
86. Do you believe in the resurrection of the temperance?	10
87. Do you believe in the resurrection of the chastity?	10
88. Do you believe in the resurrection of the modesty?	10
89. Do you believe in the resurrection of the humility?	10
90. Do you believe in the resurrection of the simplicity?	10
91. Do you believe in the resurrection of the purity?	10
92. Do you believe in the resurrection of the holiness?	10
93. Do you believe in the resurrection of the righteousness?	10
94. Do you believe in the resurrection of the justice?	10
95. Do you believe in the resurrection of the truth?	10
96. Do you believe in the resurrection of the beauty?	10
97. Do you believe in the resurrection of the goodness?	10
98. Do you believe in the resurrection of the nobility?	10
99. Do you believe in the resurrection of the magnificence?	10
100. Do you believe in the resurrection of the grandeur?	10



[REDACTED]

[REDACTED]

REEL: 055615 FRAME: 0224



PATENT

REEL: 055615 FRAME: 0225

