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(12) **United States Design Patent**  
**Hwang**

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(54) **ELECTROCARDIOGRAPHIC DEVICE**

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(73) Assignee: **HEXACHECK INC.**, Daejeon (KR)

(\*\*) Term: **15 Years**

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**  
USPC ..... **D24/187**

(58) **Field of Classification Search**

USPC ..... D24/206, 168, 187, 200  
CPC .. A61B 5/02438; A61B 5/6823; A61B 5/0006  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D378,614 S *	3/1997	Jensen	.....	D24/187
D402,762 S *	12/1998	Szpur	.....	D24/200
D530,821 S *	10/2006	Travis	.....	D24/210
D535,401 S *	1/2007	Travis	.....	D24/206
D831,217 S *	10/2018	Geissen	.....	D24/168
D846,133 S *	4/2019	Matsushita	.....	D24/200
D851,260 S *	6/2019	Cryan	.....	D24/187

D854,697 S *	7/2019	Yang	.....	D24/200
D857,214 S *	8/2019	Matsushita	.....	D24/200
D865,193 S *	10/2019	Matsushita	.....	D24/200
D865,194 S *	10/2019	Matsushita	.....	D24/200
D918,392 S *	5/2021	Hwang	.....	D24/167
D919,095 S *	5/2021	Hwang	.....	D24/167
D921,901 S *	6/2021	Hwang	.....	D24/167
2020/0315480 A1 *	10/2020	Hwang	.....	A61B 5/02055

**OTHER PUBLICATIONS**

Ny Times. Our Favorite Baby-Proofing Tools. May 2, 2019. <https://www.nytimes.com/wirecutter/reviews/our-favorite-baby-proofing-tools/> (Year: 2019).\*

Cleveland Clinic. Implantable Cardioverter Defibrillator (ICD). Jul. 18, 2019. <https://my.clevelandclinic.org/health/treatments/17123-implantable-cardioverter-defibrillator-icd> (Year: 2019).\*

(Continued)

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(57) **CLAIM**

The ornamental design for an electrocardiographic device, as shown and described.

**DESCRIPTION**

1. Electrocardiographic device

1.1 : Bottom Front Perspective

1.2 : Front

1.3 : Back

1.4 : Left

1.5 : Right

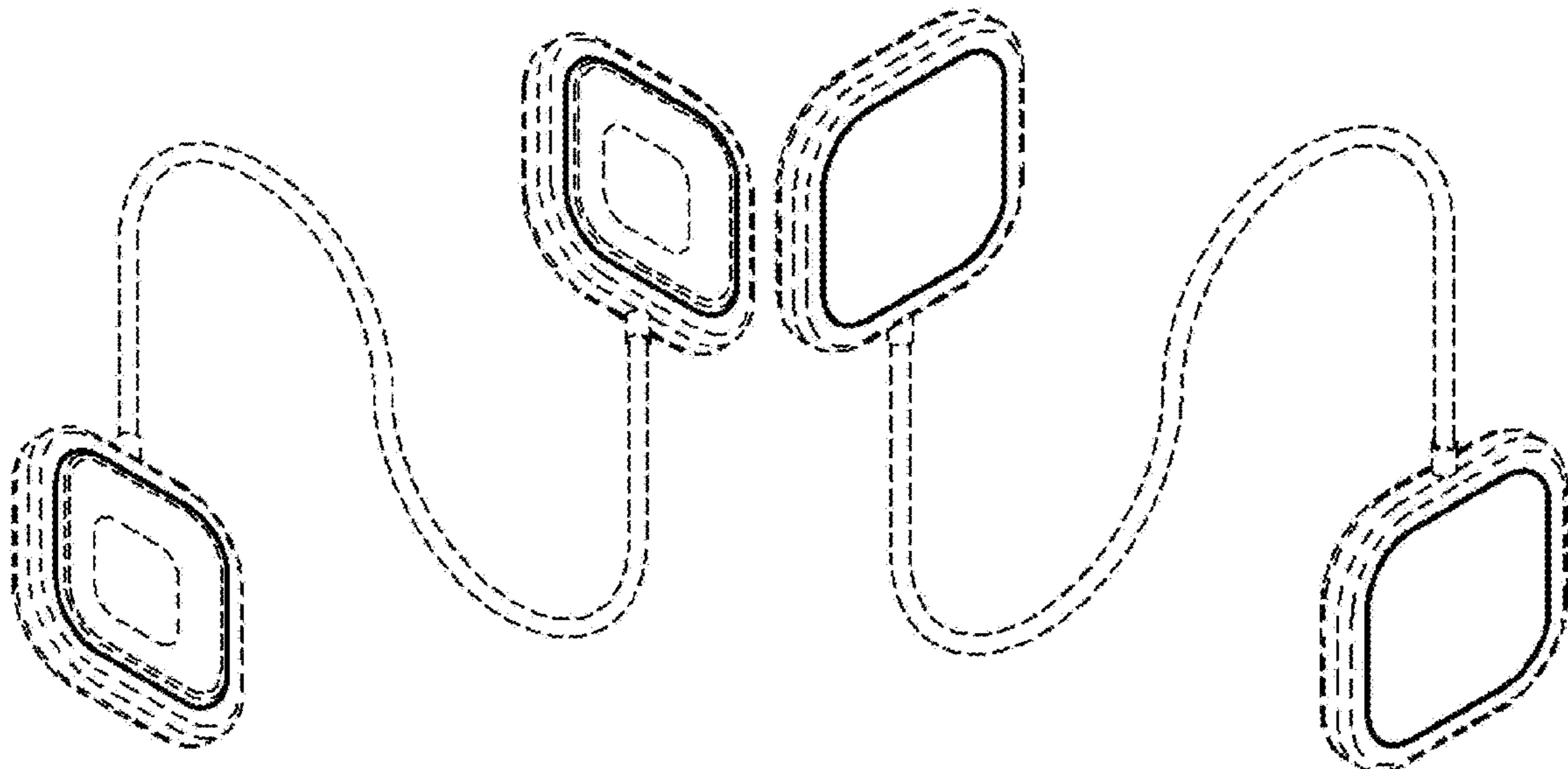
1.6 : Top

1.7 : Bottom

1.8 : Top Back Perspective

The dashed broken lines in the figures show portions of the electrocardiographic device that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

OTHER PUBLICATIONS

Wikipedia. Defibrillation. Jun. 19, 2021. <https://en.wikipedia.org/wiki/Defibrillation> (Year: 2021).\*

Amazon. Covidien Uni-Patch Specialty Series Tantone Electrode, 2" Square, 4-Pack. Aug. 23, 2018. <https://www.amazon.com/Functional-Linguistic-Communication-Inventory-Complete/dp/B07GSZ76S2> (Year: 2018).\*

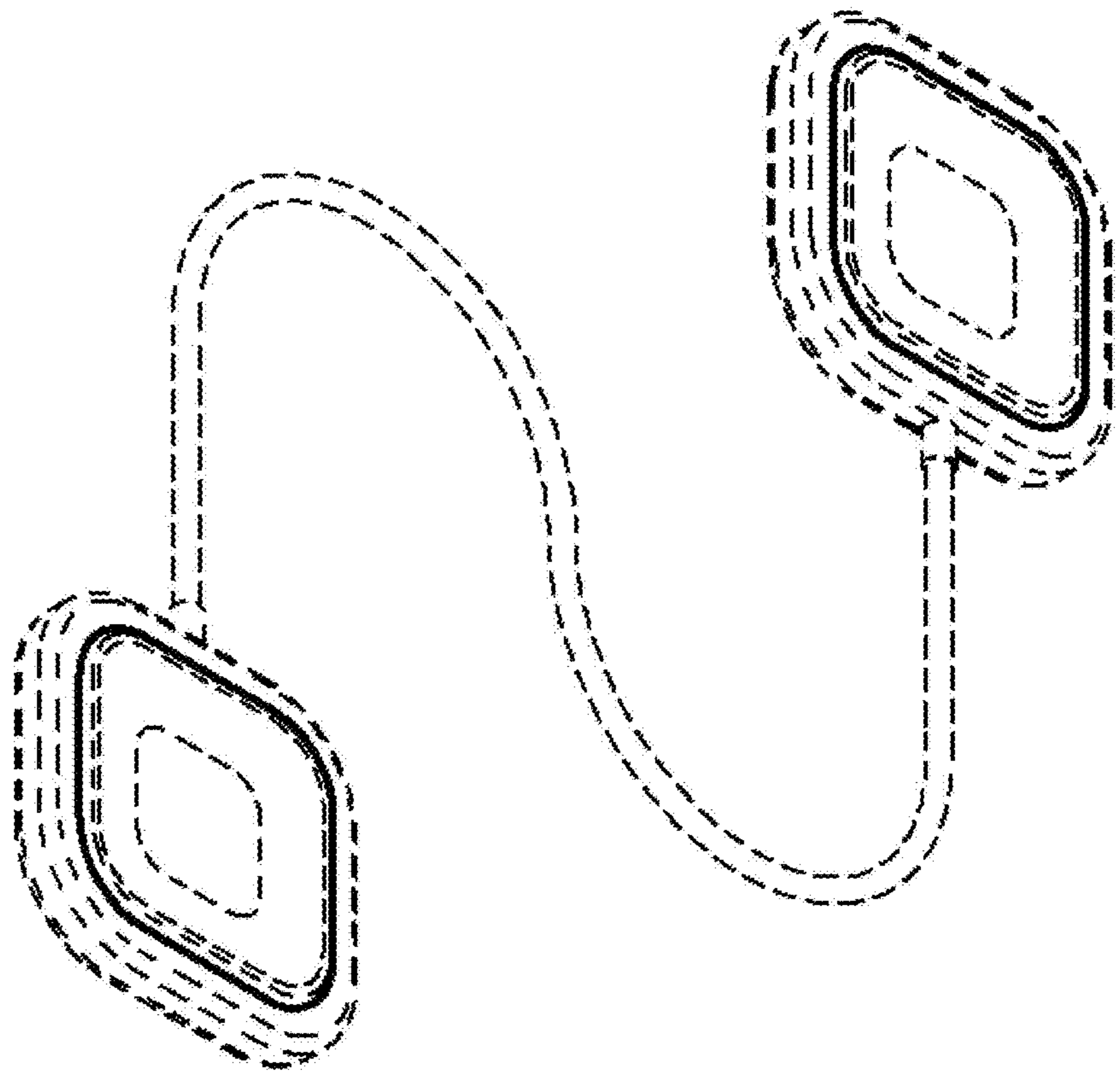
Cool Things. iPhone Controlled Philips BlueTouch Pain Relief Patch Helps You Soothe Aching Muscles. Sep. 17, 2014. <https://www.coolthings.com/philips-bluetouch/> (Year: 2014).\*

Creaky Joints. Transcutaneous Electric Nerve Stimulation (TENS) for Arthritis Pain: Does It Help?. Jan. 21, 2020. <https://creakyjoints.org/treatment/transcutaneous-electric-nerve-stimulation-for-arthritis/> (Year: 2020).\*

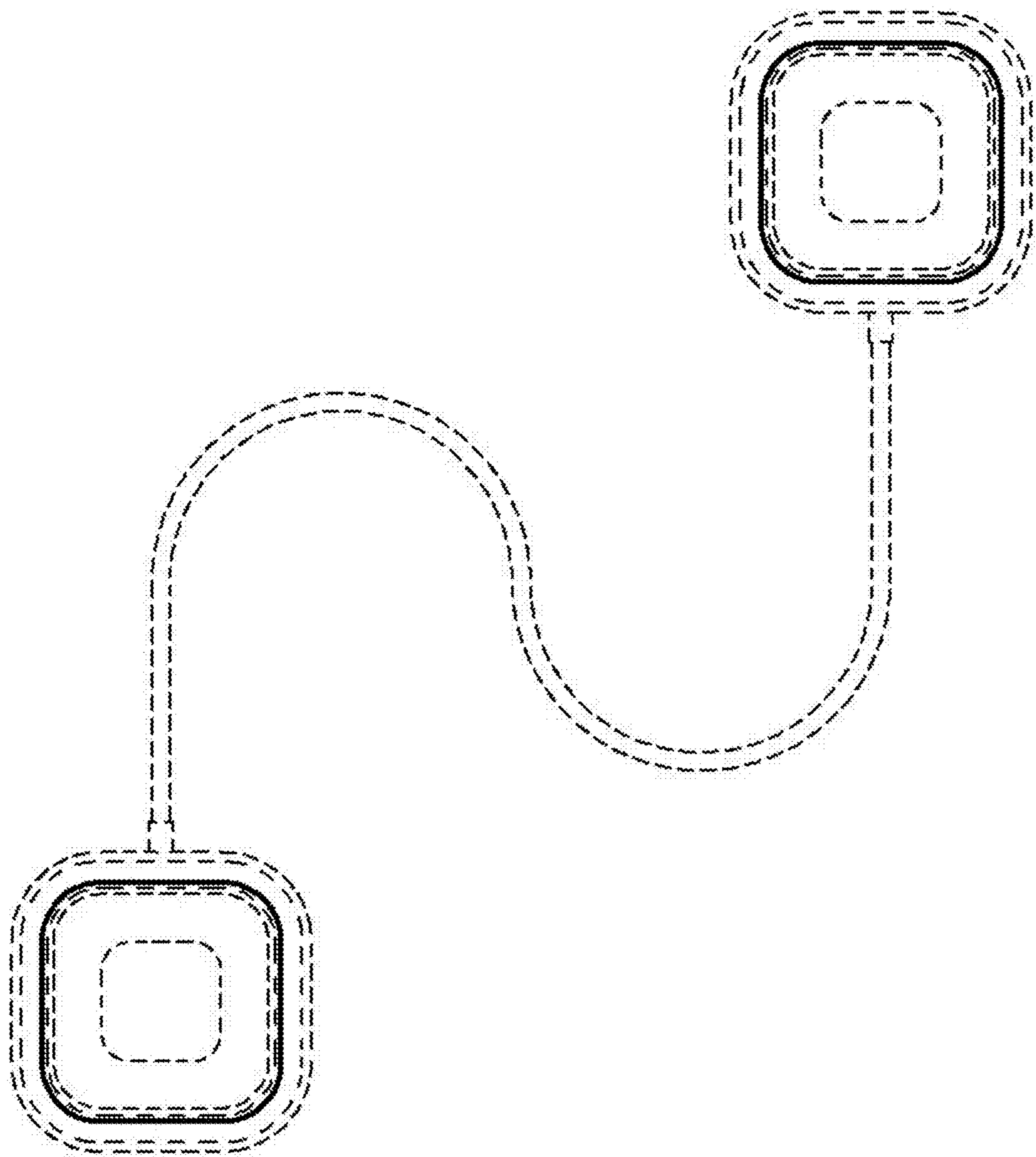
Amazon. Angel Premium TENS/EMS Unit 40 Electrode Pads 2"×2" in. Reusable Self Stick Gel Carbon Electrodes. Apr. 28, 2015. <https://www.amazon.com/Premium-Electrode-Reusable-Carbon-Electrodes/dp/B00VTWVJ0E> (Year: 2015).\*

\* cited by examiner

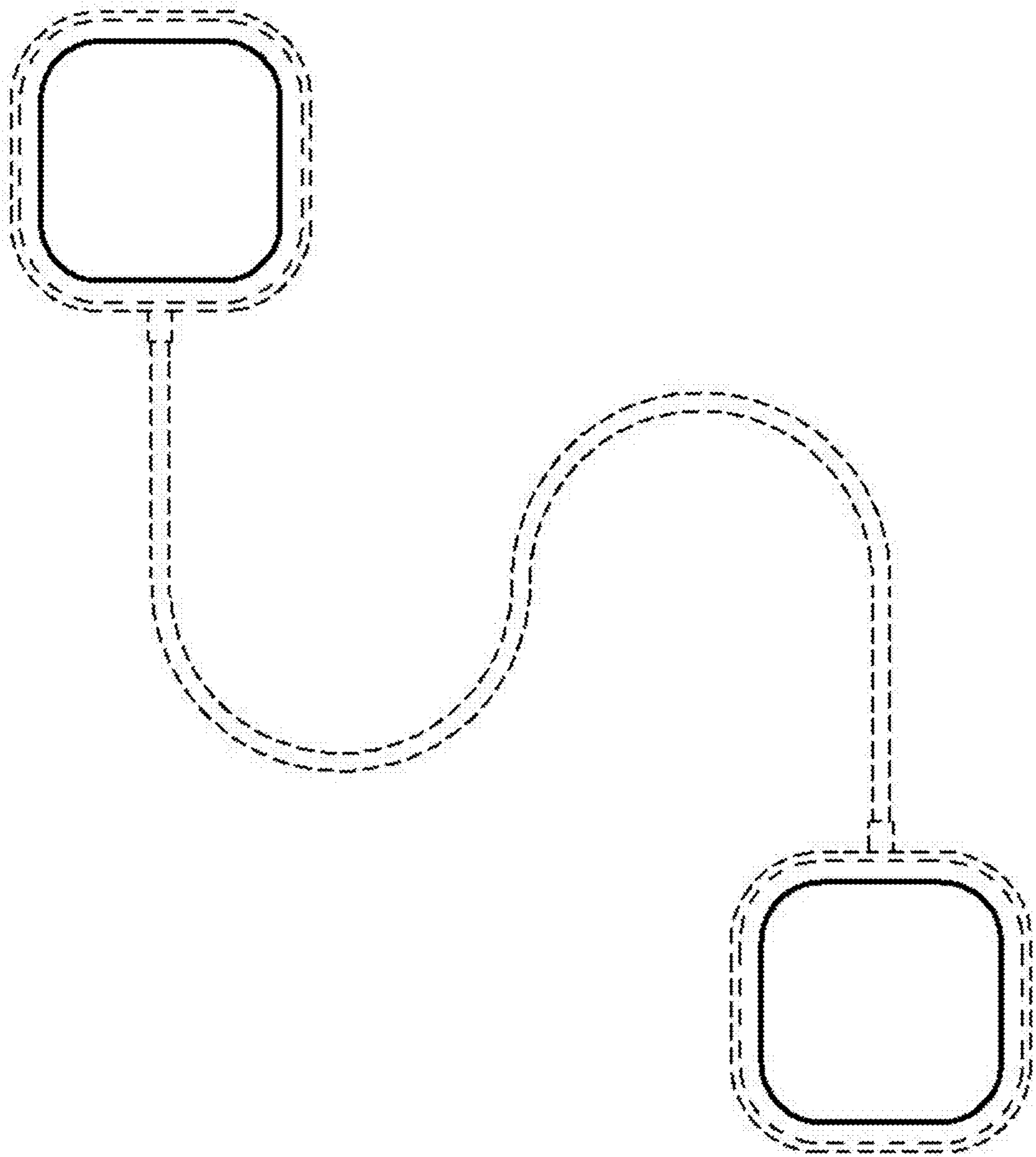
**1.1**



1.2



1.3



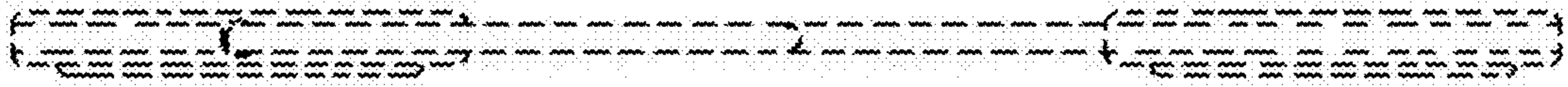
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1.5

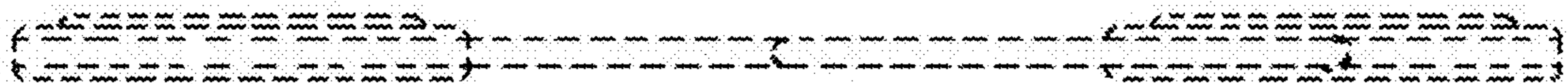


1.6





1.7



1.8

