



# ***PATENTS IN STAR TREK***

# Bob Sachs



Bob is an attorney who concentrates on strategic patent counseling and prosecution for software technologies. Bob has extensive experience in developing patent portfolios for companies of all sizes, from startups to multi-nationals.



# Shasha Jumbe



Shasha's reason for being (*ikigai*) is:

*We can and should do better to leverage the power of data for better health for all.*

His Brownian path from intrapreneurship, leading big data initiatives at the Bill & Melinda Gates Foundation, and advancing drug development through modeling and simulation at Roche, Genentech, and Amgen, to entrepreneurship as co-founder and CEO of Level 42 AI, Inc is aimed to unleash the full power of data, data science, and technological innovation to help underserved communities leap-frog inequities.

# Dan Brownstone



Dan is an attorney at Fenwick & West. His practice is focused on patent strategic counseling and prosecution, and also includes intellectual property due diligence and patent litigation.

Dan's combined backgrounds in computer science and economics give him a unique perspective on patent strategy. His practice emphasizes patent portfolio development based on identifying innovations that are economically strategic to the enterprise, and managing the creation of patent assets to maximize the value of those assets.



# Bob Zeidman



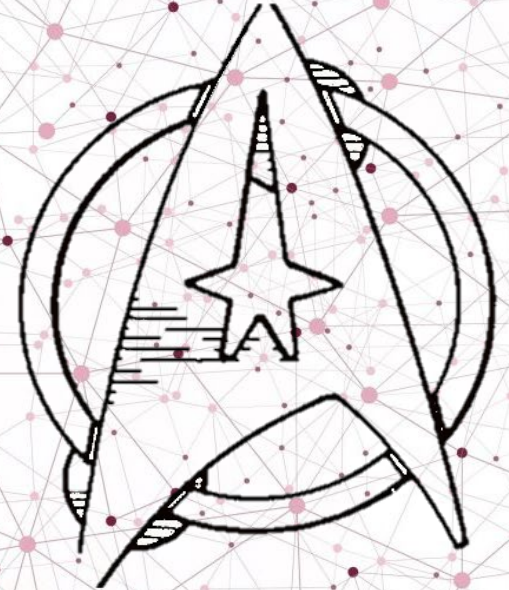
Bob is the creator of the field of software forensics. He is the founder of Zeidman Consulting that offers engineering consulting to law firms regarding IP disputes and Software Analysis and Forensic Engineering Corporation, the leading provider of software IP analysis tools. He holds 25 patents.

Bob is the author of three award-winning screenplays, four award-winning novels, and five textbooks. His latest venture is Good Beat Poker, an online poker site that incorporates patented audio and video technology.

He is also the author of *How to Invent a Time Machine*.

# STAR TREK DESIGN PATENTS

*BOLDY PROTECTING WHAT NO ONE HAS  
PROTECTED BEFORE...*





# Design Patent Basics

- Protects “ornamental” appearance of object, not function
- Protection lasts 14 years
- All view of the object must be shown
- Some overlap with copyright protection---but does not require a someone to “copy” the design.

# Star Trek Design Patents

- 25 US patents, 5 Australian patents
- Directed to various “toy” spaceships, weapons, communicators, and costumes, and odd/ends



# Example Star Trek Design Patent

U.S. Patent

Nov. 17, 1981

Des. 261,872

United States Patent [19]  
Fletcher

[11] Des. 261,872

[45] \*\* Nov. 17, 1981

[54] JEWELRY PIN

[75] Inventor: Robert Fletcher, Los Angeles, Calif.

[73] Assignee: Paramount Pictures Corporation, Los Angeles, Calif.

[\*\*] Term: 14 Years

[21] Appl. No.: 28,845

[22] Filed: Apr. 10, 1979

[51] Int. Cl. .... D11-01

[52] U.S. Cl. .... D11/70; D11/108

[58] Field of Search .... D11/6, 7, 47, 43-45,  
D11/48, 70, 75, 79-81, 95, 96, 99, 72, 112, 108;  
63/1 R-2, 18-21, 23

[56] References Cited

U.S. PATENT DOCUMENTS

2,698,495 1/1955 Ciampa ..... 63/20 X

## OTHER PUBLICATIONS

Star Trek Command Communications Console Flyer No. 51230sv from Mego Corp., N.Y. ©1976 Paramount Pictures Corp.-Insignia at top left.  
*The Making of Star Trek* ©1968, 19th Printing 1977, 10th, 12th & 13th photo pages between pp. 256 & 257.

Primary Examiner—Louis S. Zarfas

Attorney, Agent, or Firm—Michael A. Painter

## [57] CLAIM

The ornamental design for a jewelry pin, substantially as shown.

## DESCRIPTION

FIG. 1 is a top elevational view of a jewelry pin showing my new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a right side elevational view thereof;  
FIG. 6 is a rear elevational view thereof.

Fig. 1.

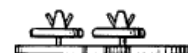


Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.



# Example Star Trek Design Patent

U.S. Patent

Nov. 17, 1981

Des. 261,872

**United States Patent** [19]  
**Fletcher**

[54] **JEWELRY PIN**

[75] Inventor: **Robert Fletcher**, Los Angeles, Calif.

[73] Assignee: **Paramount Pictures Corporation**, Los Angeles, Calif.

[\*\*] Term: **14 Years**

[21] Appl. No.: **28,845**

[22] Filed: **Apr. 10, 1979**

[51] Int. Cl. .... **D11-01**

[52] U.S. Cl. .... **D11/70; D11/108**

[58] Field of Search .... **D11/6, 7, 47, 43-45, D11/48, 70, 75, 79-81, 95, 96, 99, 72, 112, 108; 63/1 R-2, 18-21, 22**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

2,698,495 1/1955 Ciampa ..... 63/20 X

**OTHER PUB**

Star Trek Command Com  
No. 51230sv from Mego  
mount Pictures Corp.-Insig  
The Making of Star Trek (10th, 12th & 13th photo pag

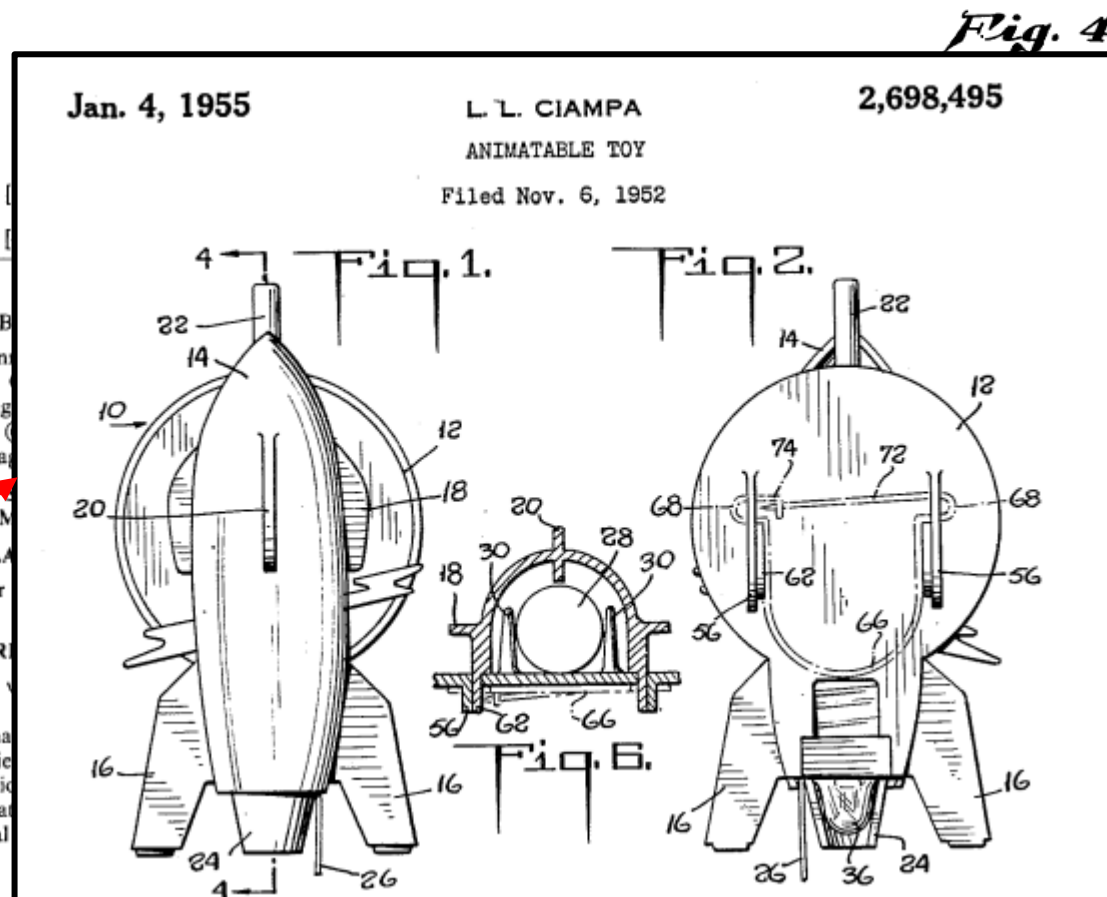
Primary Examiner—Louis  
Attorney, Agent, or Firm—M

[57] **CLA**

The ornamental design for  
as shown

**DESCR**

FIG. 1 is a top elevational view of my new design;  
FIG. 2 is a front elevational view;  
FIG. 3 is a bottom plan view;  
FIG. 4 is a left side elevational view;  
FIG. 5 is a right side elevational view;  
FIG. 6 is a rear elevational view.

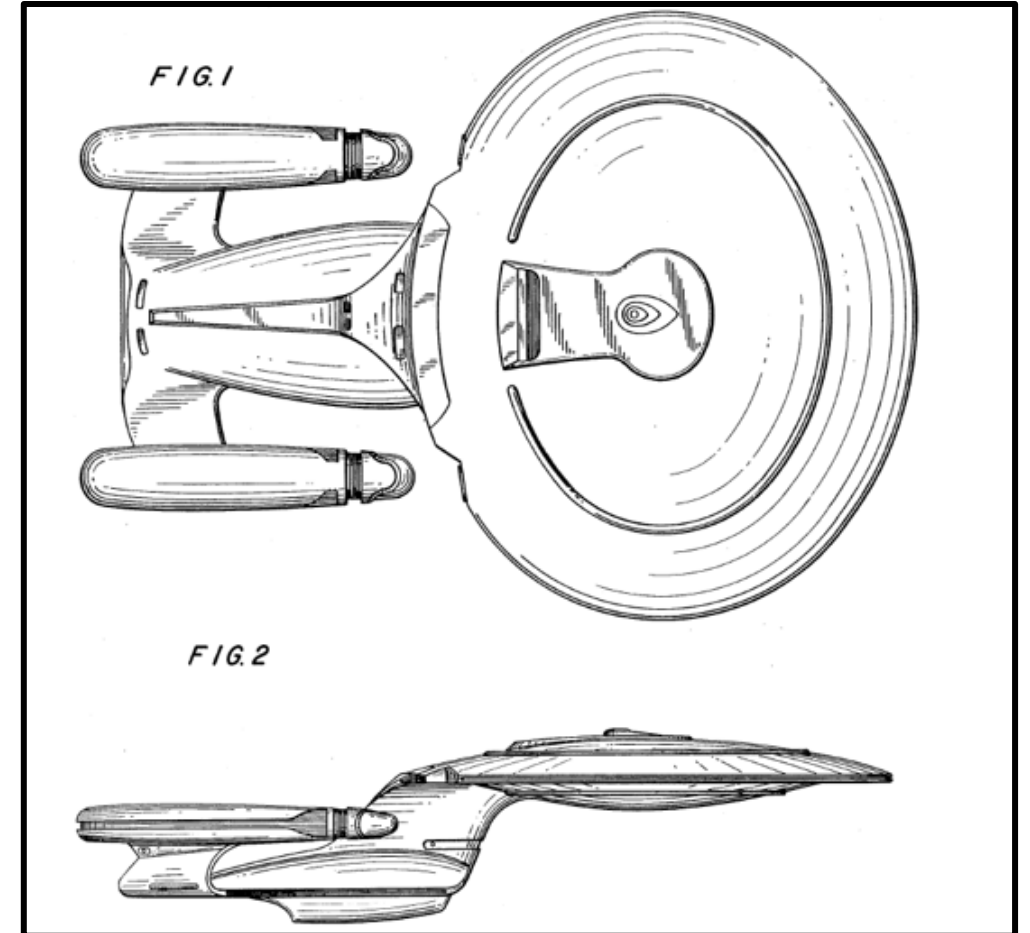
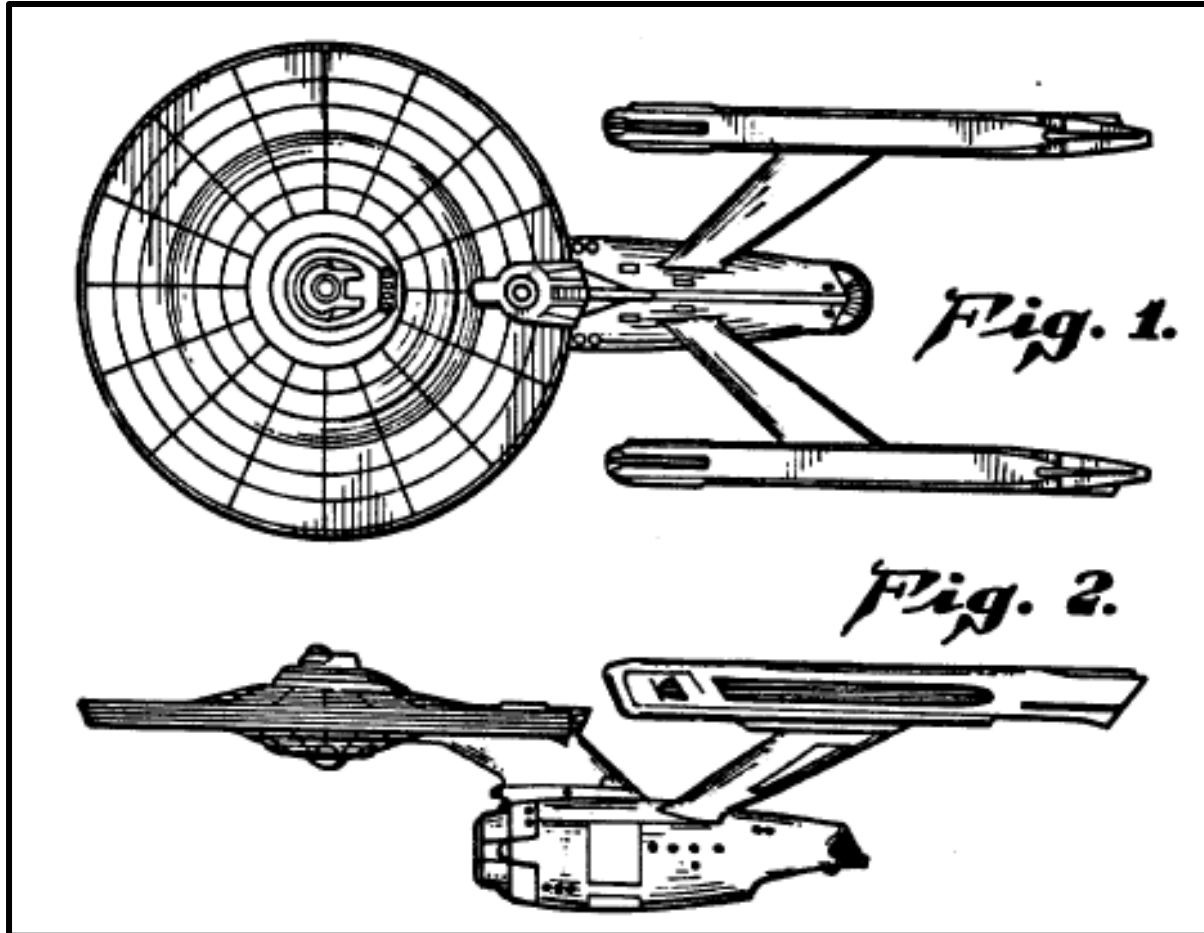


**Fig. 3.**

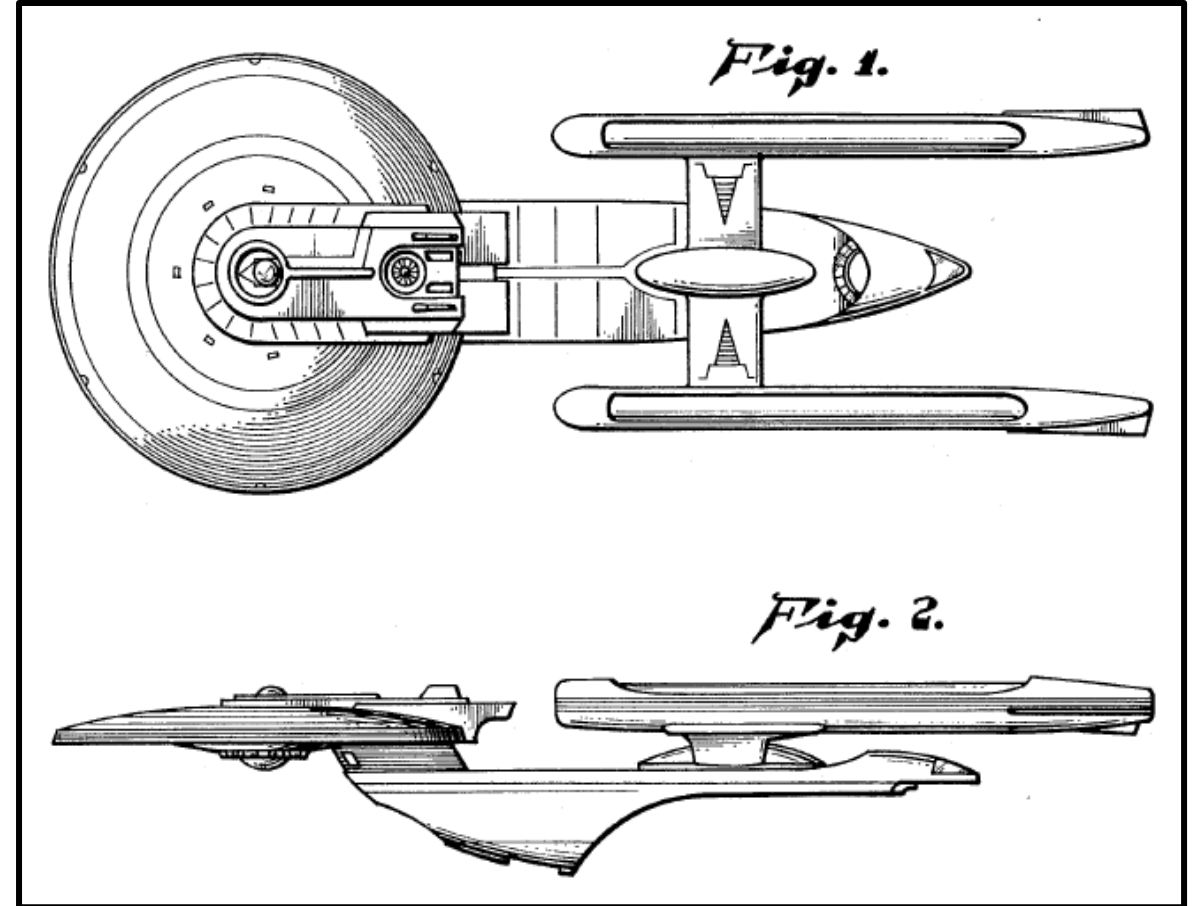
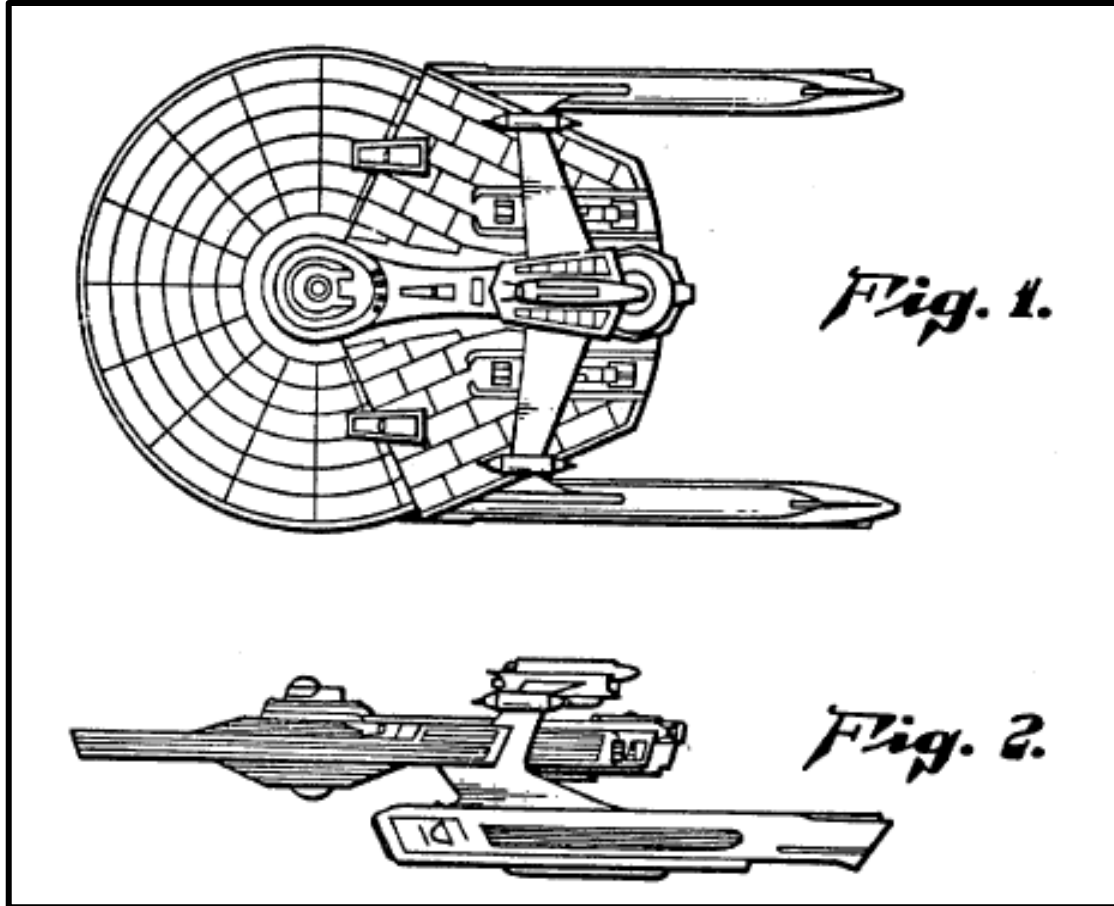




# “Toy Spaceship”



# “Toy Spaceship”





# “Toy Spaceship”

45,550.

DESIGN.

R. D. BRUCE.

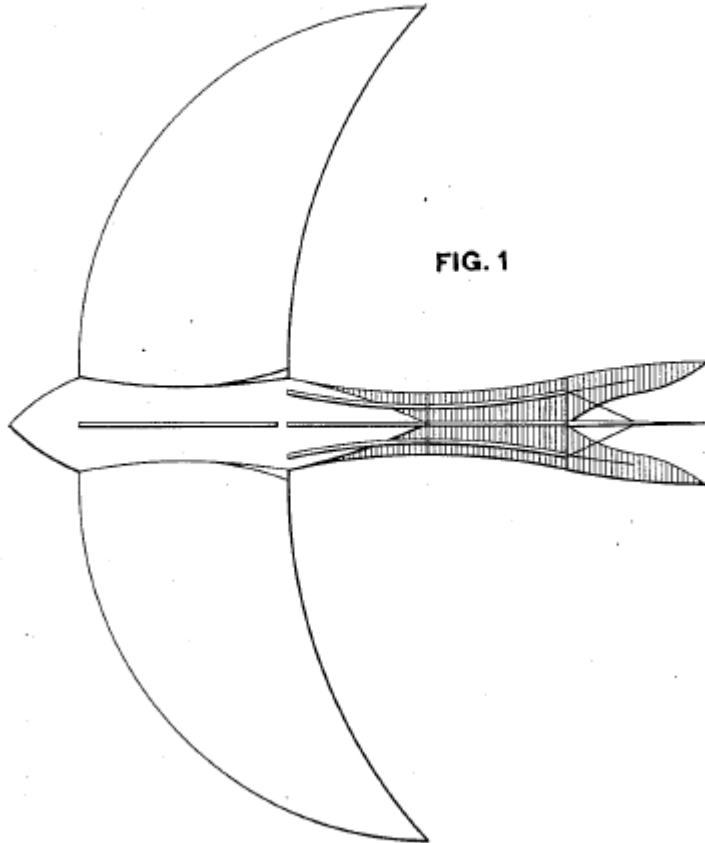
AIR NAVIGATING VESSEL.

APPLICATION FILED NOV. 15, 1913.

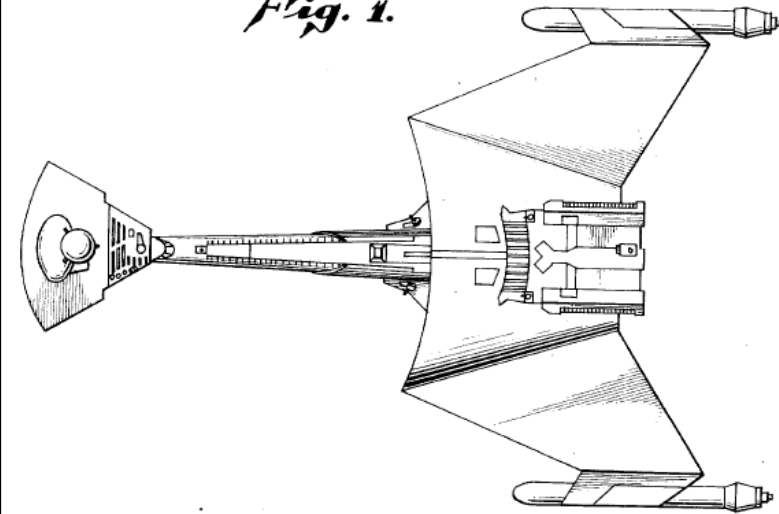
Patented Apr. 7, 1914.

2 SHEETS-SHEET 1.

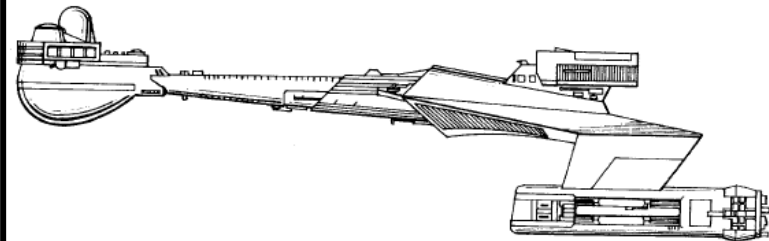
FIG. 1



*Fig. 1.*

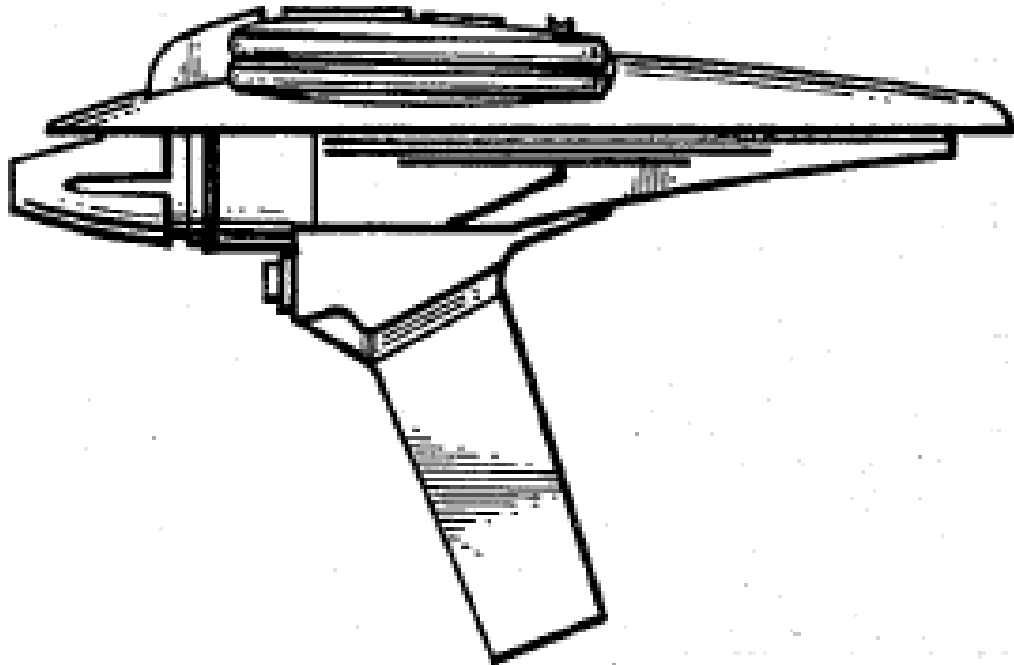


*Fig. 2.*



# “Toy Weapon”

*Fig. 2.*



## ALTERNATING CURRENT SPLIT-CORE AMMETER

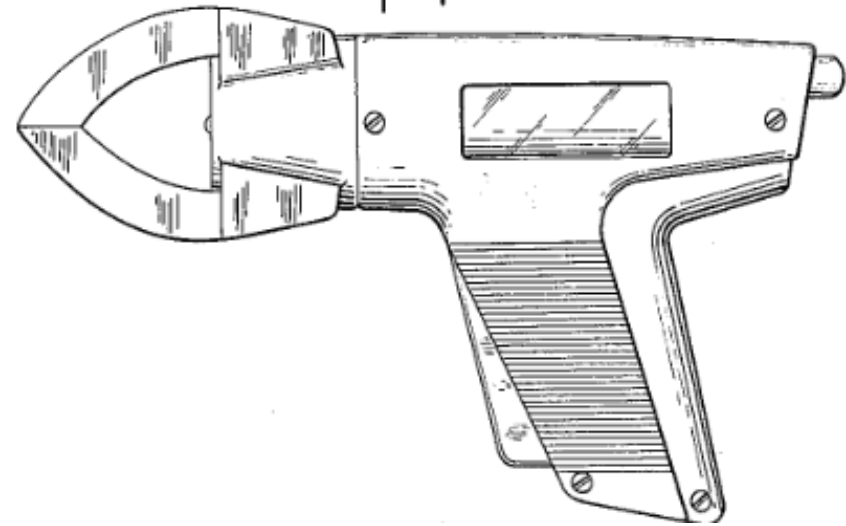
Robert B. Goody, Tenaft, N.J., and David H. Dabney,  
Peekskill, N.Y., assignors to Federal Pacific Electric  
Company, a corporation of Delaware

Filed June 27, 1960, Ser. No. 61,129

Term of patent 14 years

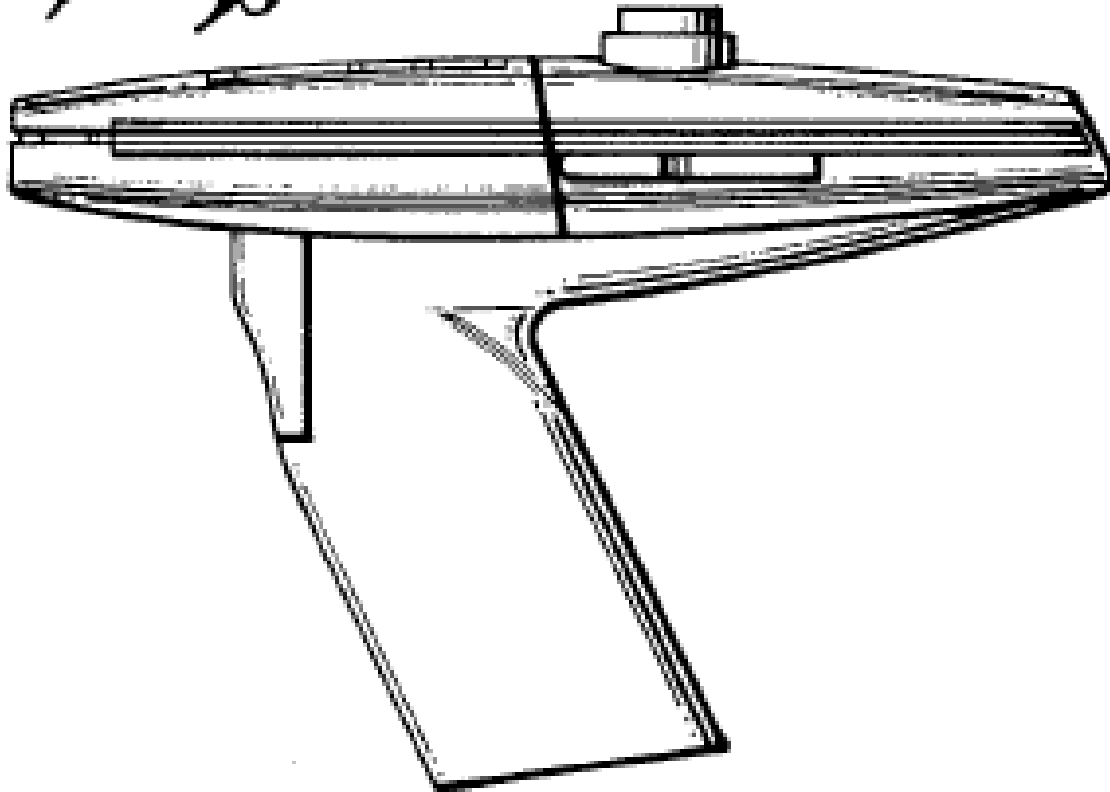
(Cl. D26—1)

*Fig. 1.*



# “Toy Weapon”

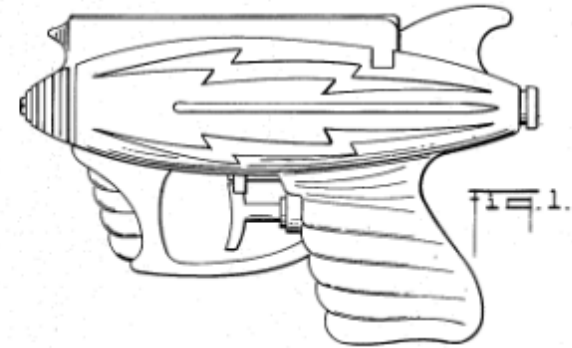
*Fig. 2.*



Feb. 24, 1953

C. ARLISS  
TOY WATER PISTOL  
Filed Nov. 7, 1952

Des. 168,878

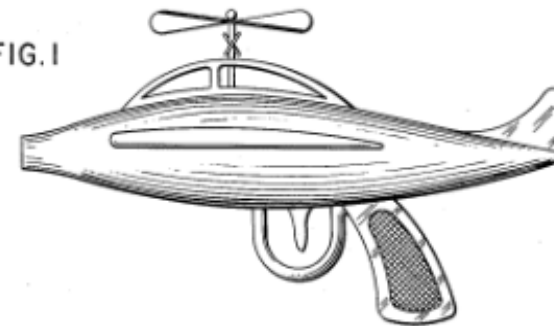


Jan. 16, 1951

A. HALVAS  
AIRPLANE HELICOPTER TOY  
Filed July 22, 1949

Des. 161,621

FIG. I



# “Toy Weapons”

FIG. 1

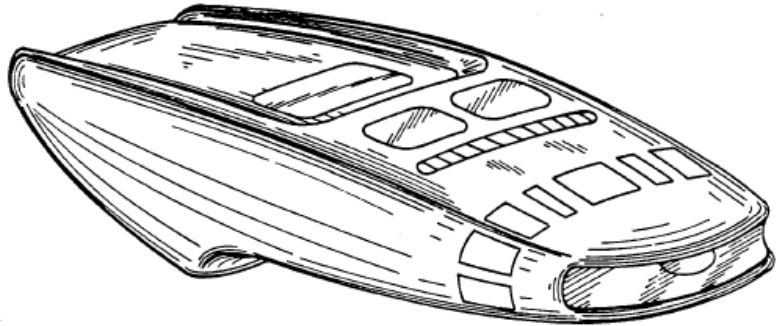


FIG. 2

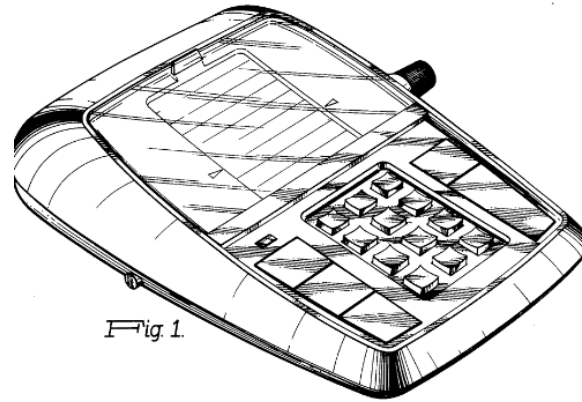
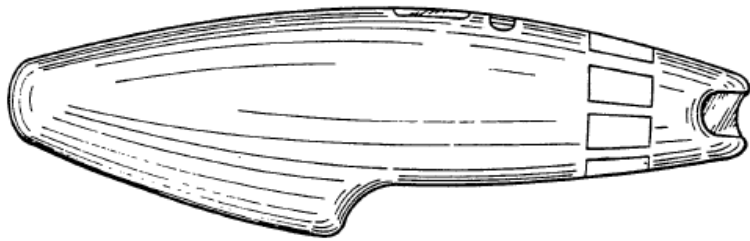


Fig 1.

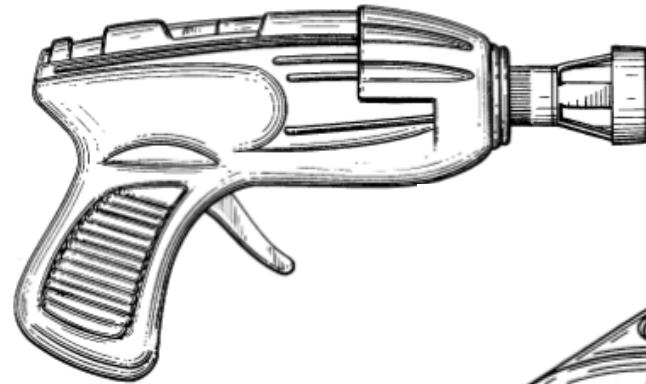
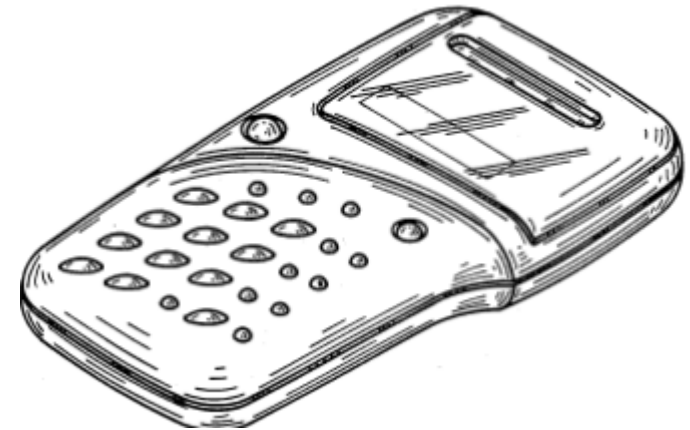
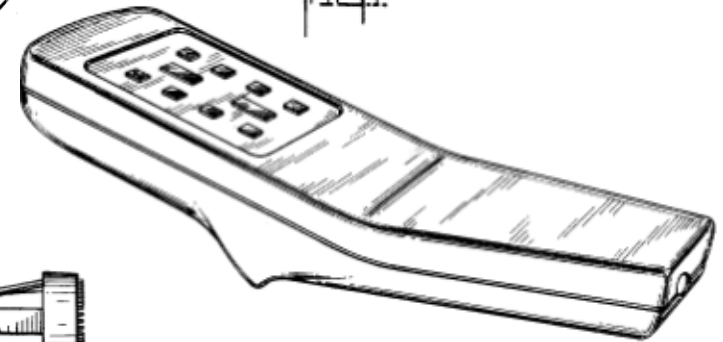


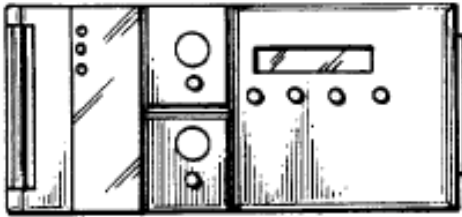
Fig. 1.



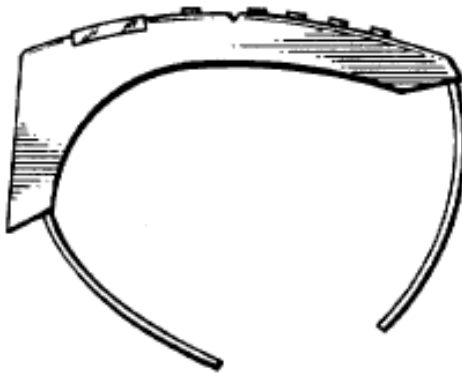


# Communicators

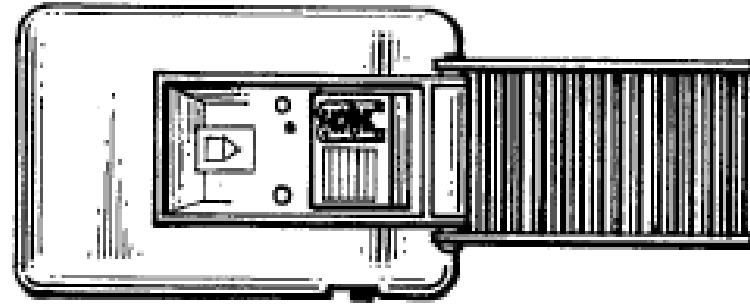
*Fig. 1.*



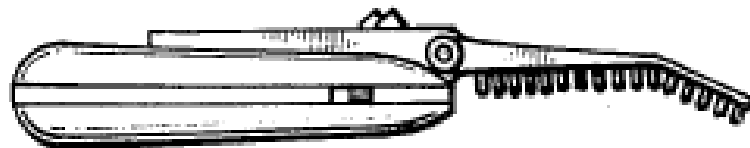
*Fig. 2.*



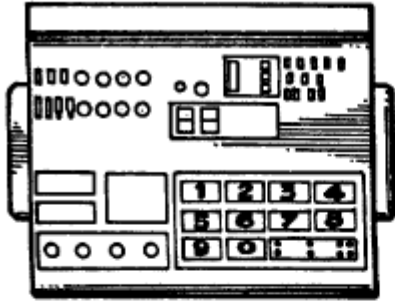
*Fig. 1.*



*Fig. 2.*

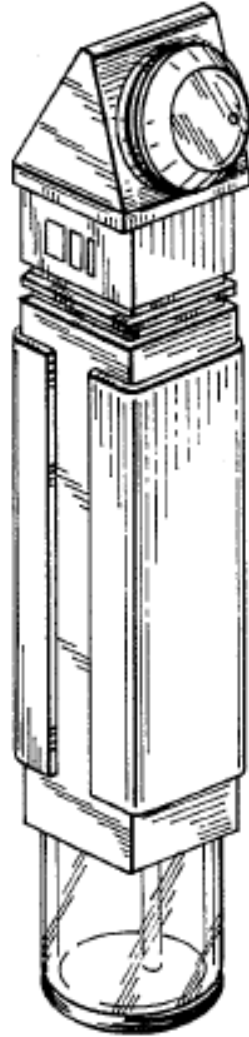
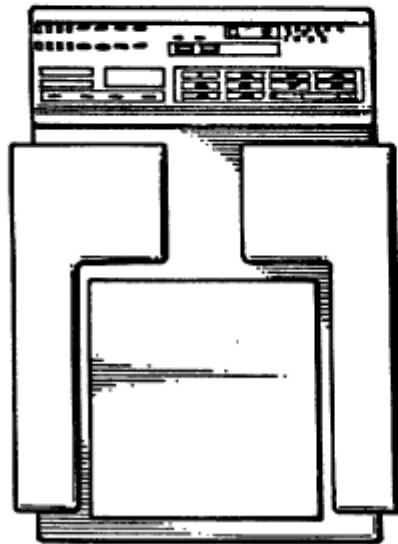


# Tricorder and Gadgets

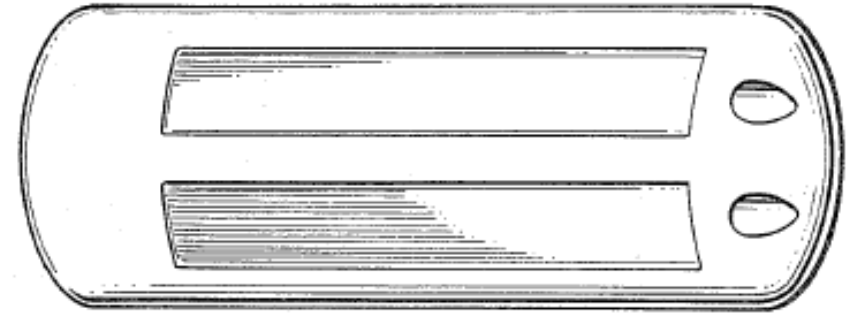


*Fig. 1.*

*Fig. 2.*



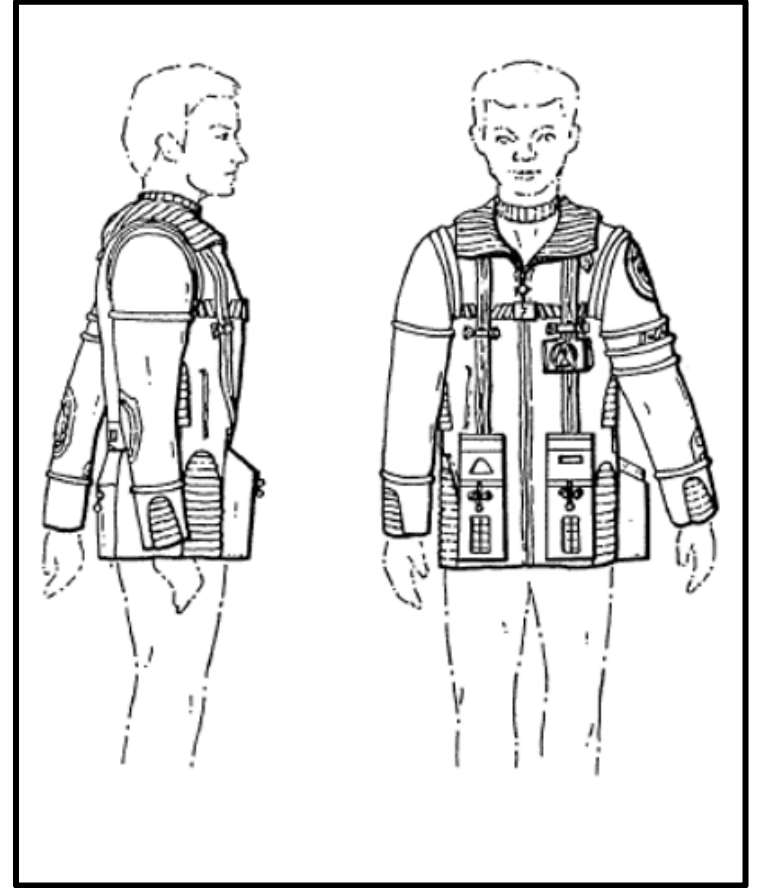
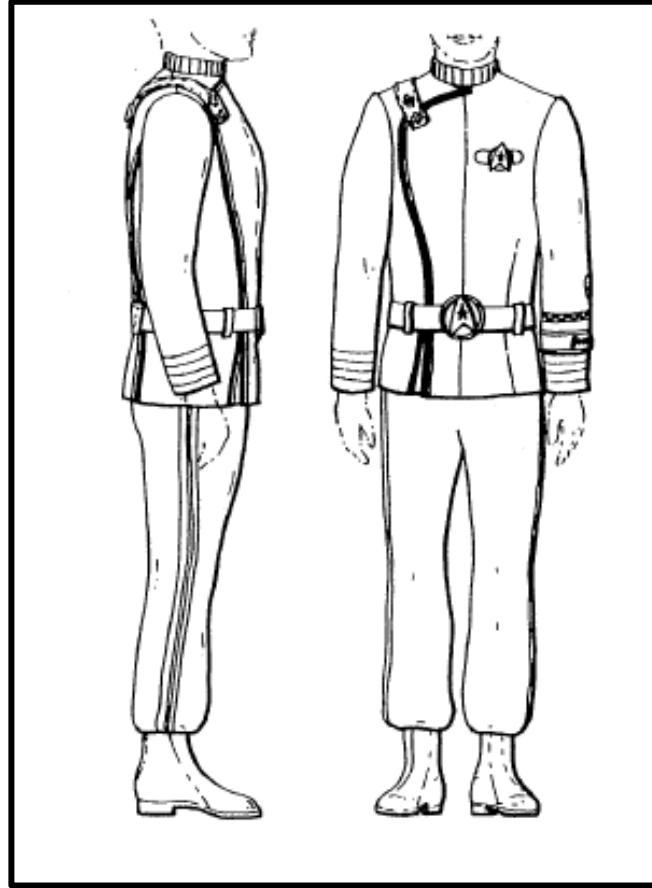
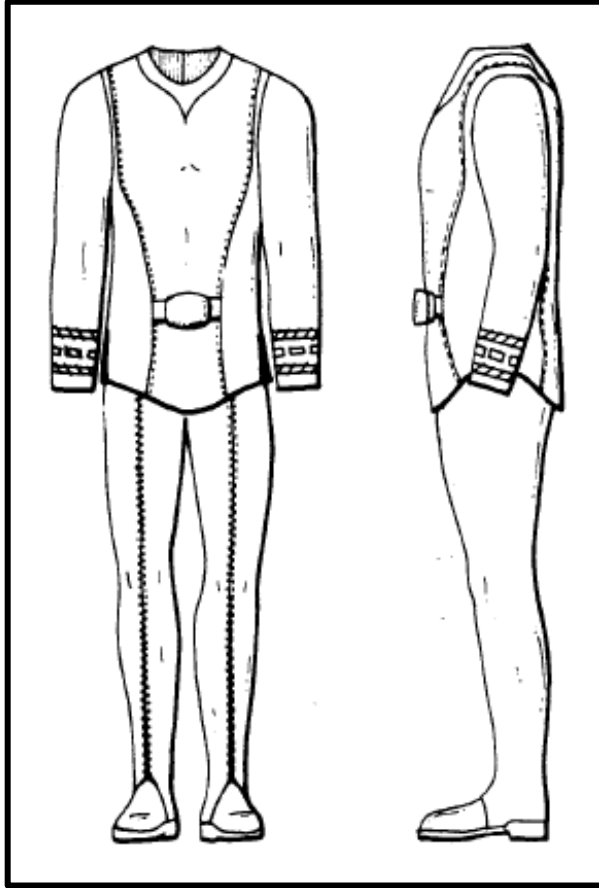
*Fig. 1.*



*Fig. 2.*



# Uniforms



# “The Motion Picture” Font

A B C D E F G H I J

K L M N O P Q R

S T U V W X Y Z

1 2 3 4 5 6 7 8 9 0

a b c d e f g h i j k l m n

o p q r s t u v w x y z

( & . , ; ! ? " ' - \* \$ ¢ % ( ) )

And finally....

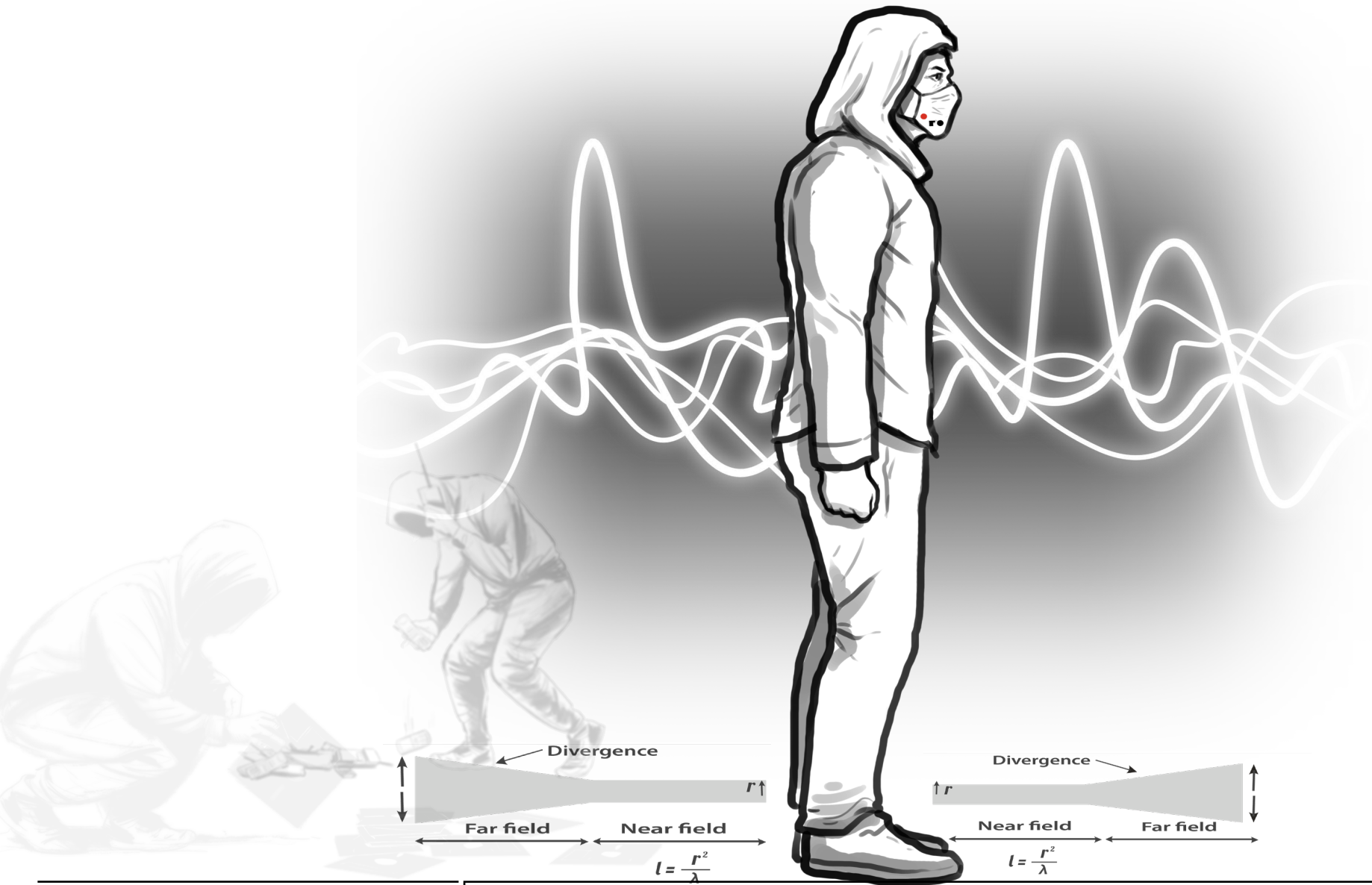






**LEVEL 42 AI™**

**Right Data for the Right Questions**



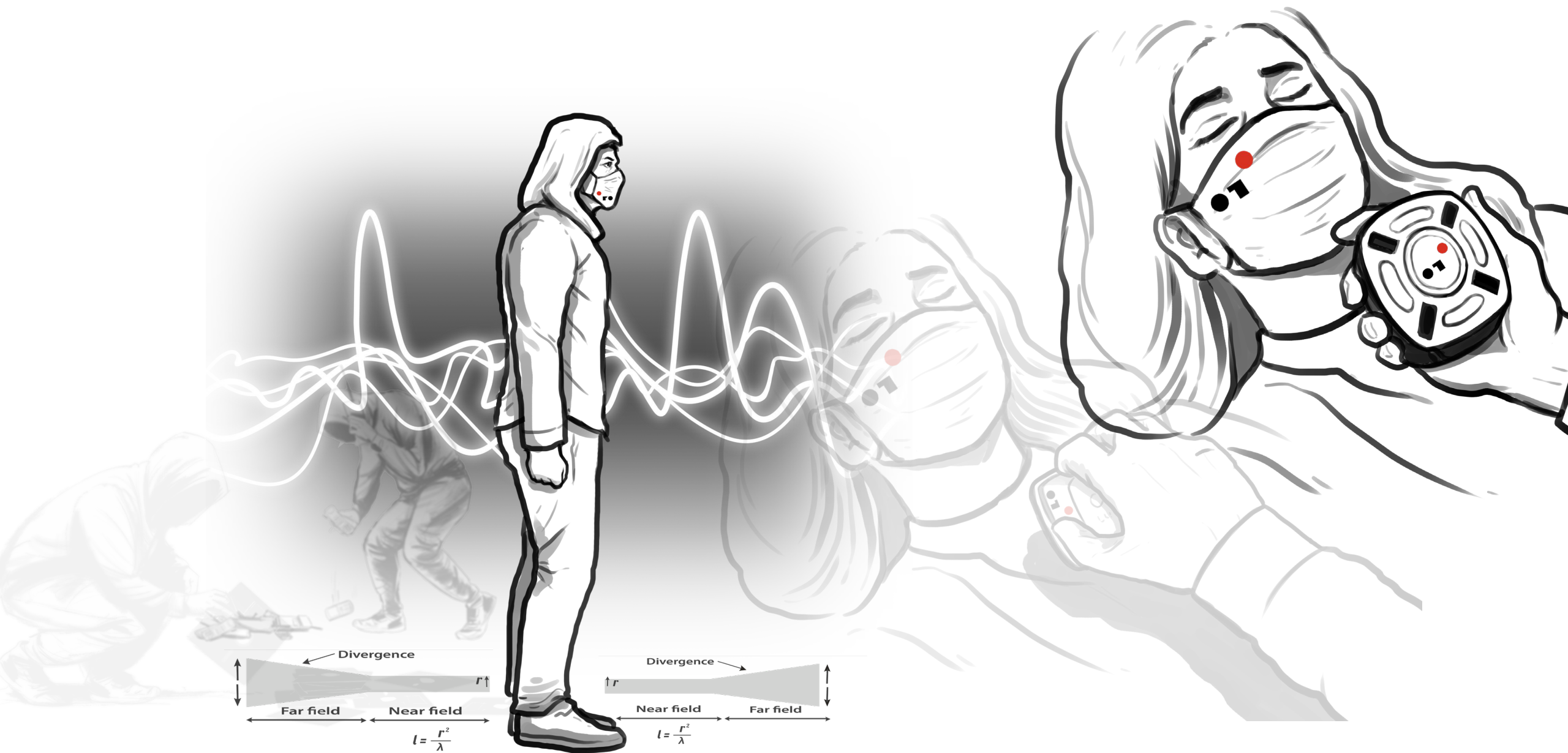
SCENE

LEVEL42 AI™

SHOT

23

NEAR & FAR BIOFIELD SENSING



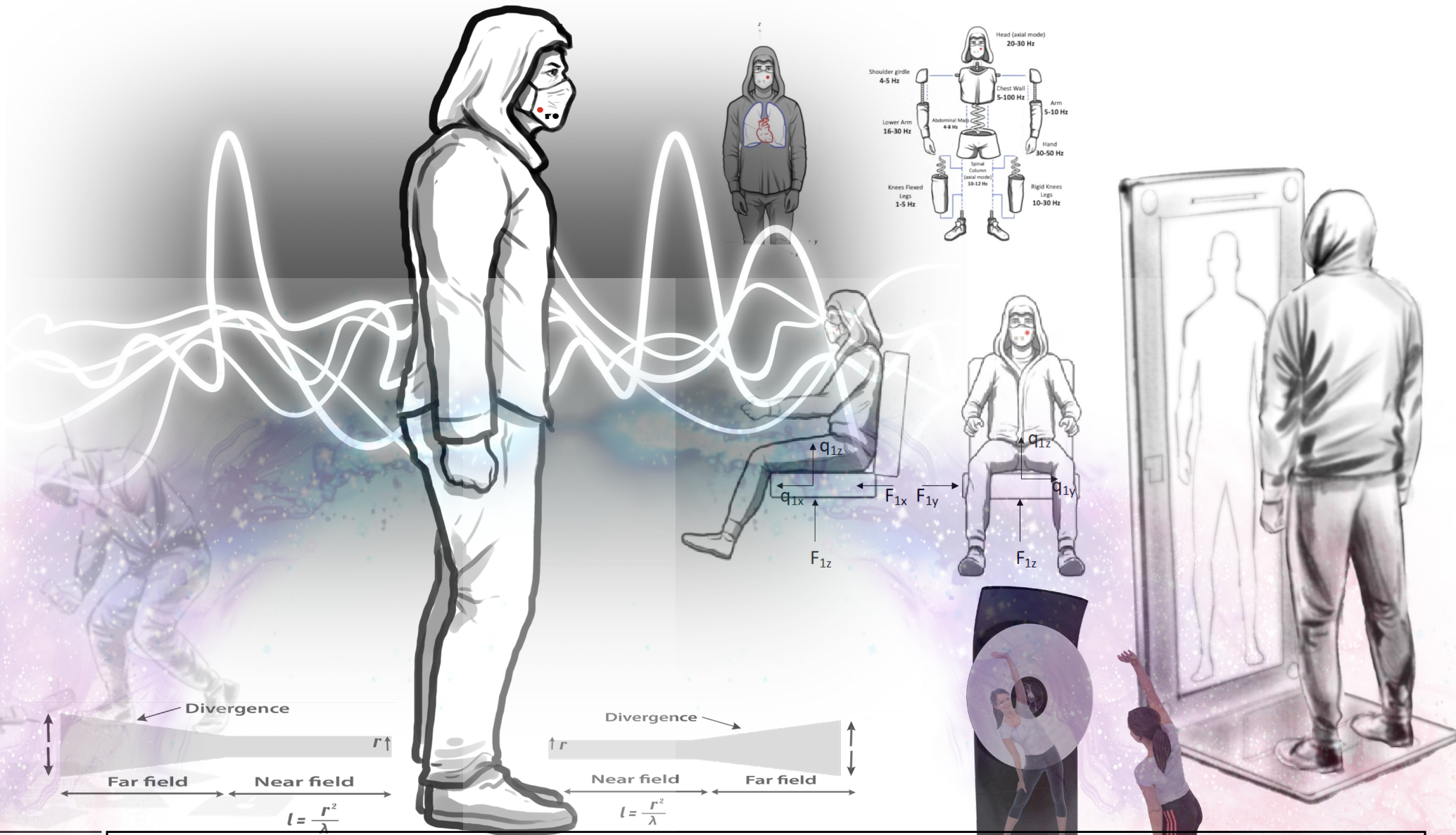
SCENE



SHOT

imPulse™ H1 on-site and BIOFIELD encoder





SCENE

LEVEL42 AI™

SHOT

25

DAILY LIFE EMBEDDED DIAGNOSTICS



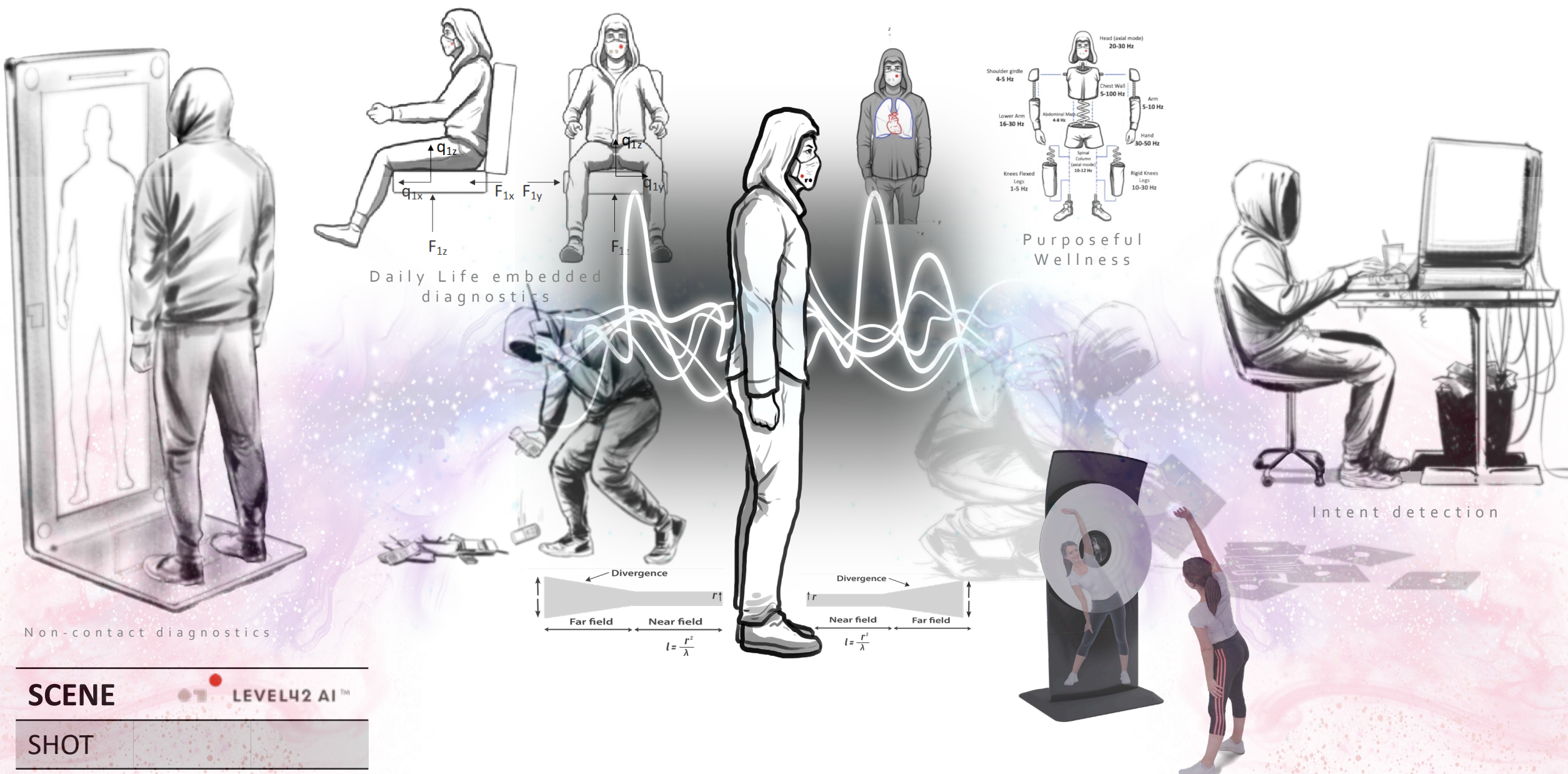


# Superhuman Sensing for Multiple Disease Diagnostics

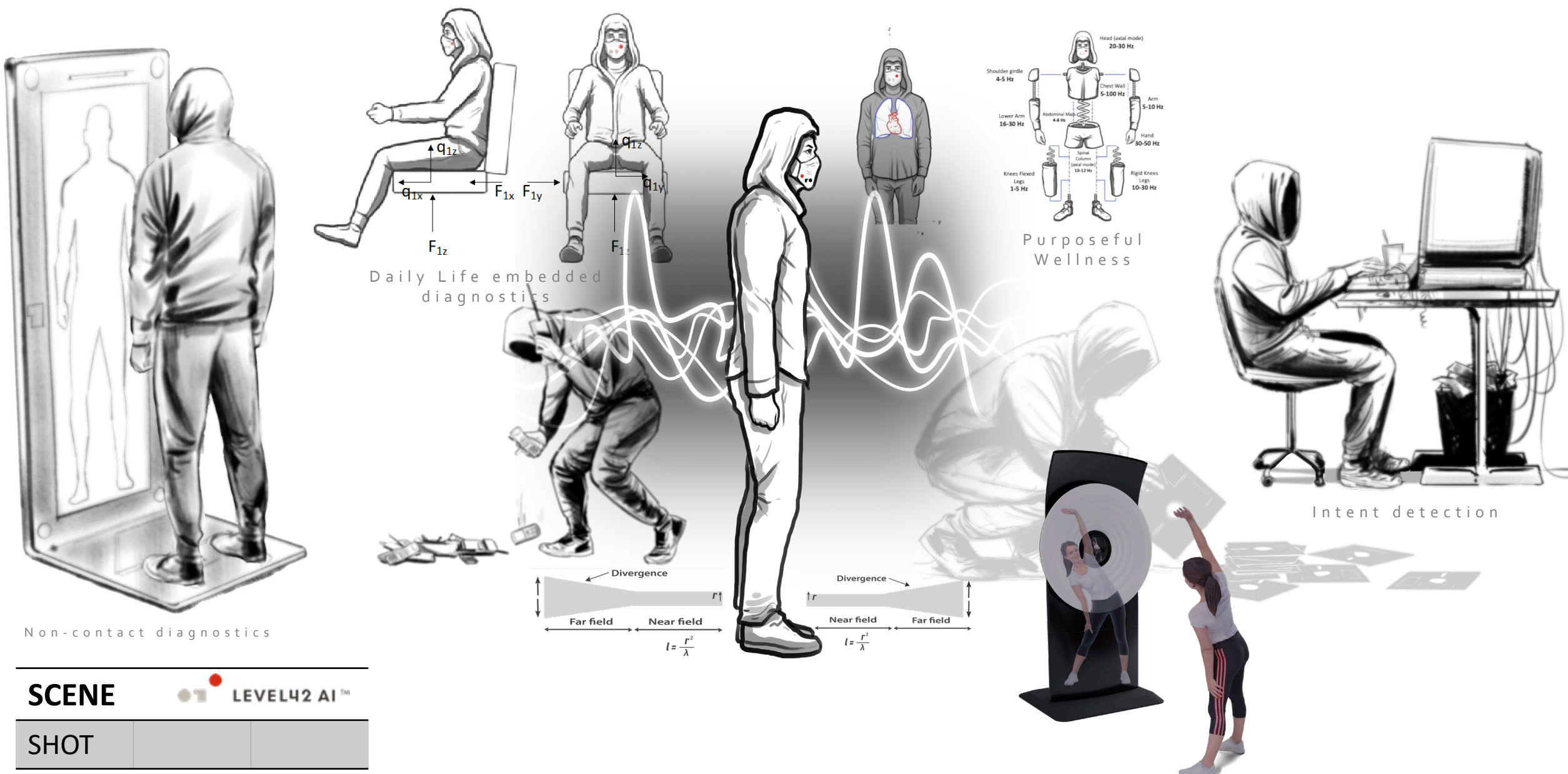




Novel biofield energy, frequency and wavelength data for transparent, auditable, *just-in-time & point-of-need* Assured Neuro Symbolic Learning and Reasoning (ANSR) interpretation, actionable insights, and knowledge creation.



Novel biofield energy, frequency and wavelength data for transparent, auditable, *just-in-time & point-of-need* Assured Neuro Symbolic Learning and Reasoning (ANSR) interpretation, actionable insights, and knowledge creation.





SCENE



SHOT

29

INITIAL OPERATING CAPABILITY





SCENE



SHOT

30

ANALYTIC & PLANNING SUPPORT, CONTINGENCY OPS



SCENE



SHOT

31

CYBER READINESS



## FOUNDERS AS 'L' HOODIE CHARACTERS



SJ



PR



AS



MM

SCENE



SHOT

32

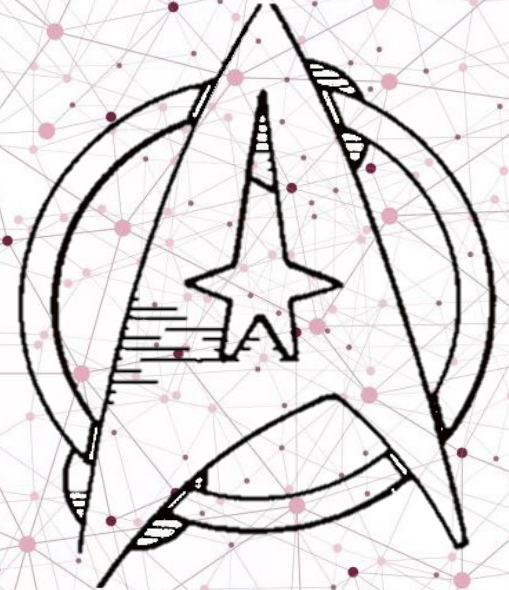
'A' TEAM CAST

# Can Data Get a Patent?

*When the Invented Becomes the Inventor...*

Daniel Brownstone

August 28, 2022



# Could Data Get a U.S. Patent in 2022?

- What does the law say?
- “Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.”
- Does “whoever” include Data?






# DABUS

- Device for the Autonomous Bootstrapping of Unified Sentience
- “Created” *Food Container and Devices and Methods for Attracting Enhanced Attention*
- Thaler listed DABUS as inventor

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau

(43) International Publication Date  
23 April 2020 (23.04.2020)

 WIPO | PCT

(10) International Publication Number  
**WO 2020/079499 A1**

(51) International Patent Classification:  
B65D 6/02 (2006.01) B65D 21/02 (2006.01)  
B65D 8/00 (2006.01) B65D 1/02 (2006.01)  
B65D 6/00 (2006.01) A61M 16/00 (2006.01)  
B65D 13/02 (2006.01) A61M 21/00 (2006.01)

(21) International Application Number:  
PCT/IB2019/057809

(22) International Filing Date:  
17 September 2019 (17.09.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
18275163.6 17 October 2018 (17.10.2018) EP  
18275174.3 07 November 2018 (07.11.2018) EP

(71) Applicant: **HALER, Stephen L.** [US/US]; 1767 Waterfall Dr., St Charles, Missouri 63303 (US).

(72) Inventor: **DABUS, The invention was autonomously generated by an artificial intelligence;** 1767 Waterfall Dr, St Charles, Missouri 63303 (US).

(74) Agent: **ABBOTT, Ryan;** 11601 Wilshire Blvd #2080, Los Angeles, CA 90024 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,

## DABUS – U.S. View

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

*35 U.S.C. 101*

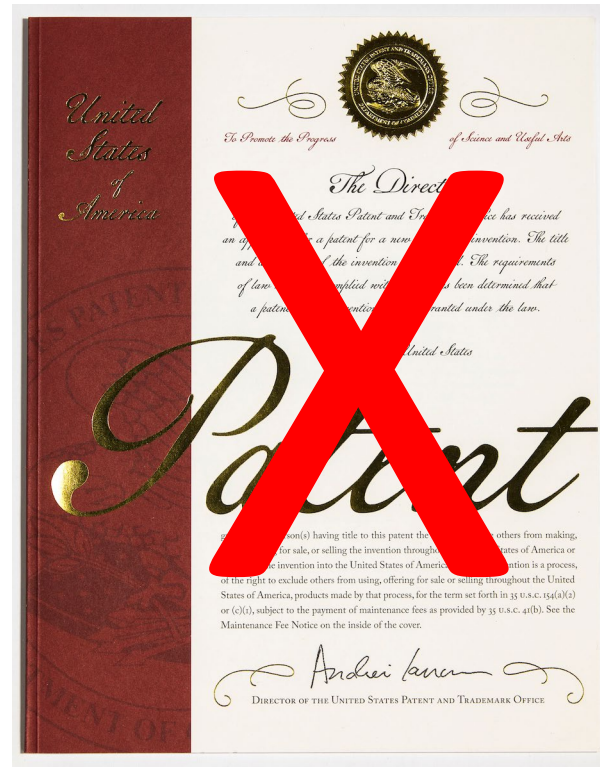
The term “inventor” means the individual or, if a joint invention, the individuals collectively who invented or discovered the subject matter of the invention.

*35 U.S.C. 100(f)*

The Supreme Court has held that, when used in statutes, the word “individual” refers to human beings unless there is “some indication Congress intended” a different reading. Nothing in the Patent Act indicates Congress intended to deviate from the default meaning.

*Thaler v. Vidal*, 2021-2347, 2022 WL 3130863 (Fed. Cir. Aug. 5, 2022)

# DABUS – U.S. View



# DABUS – Other Countries

## DABUS Not Inventor

- Australia
- Germany
- Europe
- United Kingdom

## DABUS is Inventor

- South Africa

## Decisions Pending

- Brazil, Canada, China, India, Israel, Japan, New Zealand, Korea, Saudi Arabia, Switzerland, Taiwan

# Could Data Get a UFP Patent in the 24th Century?

- Assume Thaler v. Vidal is still good law – only “individuals” can be inventors
- Is Data an “individual” in the 24th century?
  - “Is Data a machine? Yes. Is he the property of Starfleet? No. ...It is the ruling of this court that Lieutenant Commander Data has the freedom to choose.” – Captain Phillipa Louvois, The Measure of a Man.
- Does sentience matter?
  - The Constitution does not prevent Congress from giving animals the power to bring suit - Cetacean Cmty. v. Bush, 386 F.3d 1169 (9th Cir. 2004).
  - But not in current U.S. copyright law - Naruto v. Slater, 888 F.3d 418 (9th Cir. 2018).



# Who Owns Data's Inventions?

- If Data is an Individual
  - Inventions owned by Data
    - Made without using Starfleet equipment or labs and
    - Outside of directed work or research
  - Inventions owned by Starfleet
    - Everything else
- If Data is not an Individual
  - Starfleet?
  - Picard?
  - Estate of Dr. Soong?





# Questions?

