# ARTIFICIAL INTELLIGENCE, INTELLECTUAL PROPERTY, AND STAR TREK

# ADAM MOSSOFF

Adam is a law professor at Antonin Scalia Law School, George Mason University. He has published extensively on patent law and innovation policy and has testified five times before Congress. He has written on patent law and tech policy in the *Wall Street Journal*, *New York Times*, *Forbes* and other media.

You can follow Adam on Twitter at @AdamMossoff, where he posts regularly on patent law including patents on Star Trek and other sci-fi toys and gadgets, as well as hot topics in innovation policy. He is a lifetime geek and sci fi fan.

# ANDREW CROMARTY

Andrew is an inventor, Silicon Valley tech executive, and experienced intellectual property expert witness. He has served as the Chief Technology Officer for an investment bank, Hollywood's premier digital asset services firm, and a billion-dollar public broadband firm, and as corporate venture capitalist. Most recently he was President of the century-old educational electronics kit manufacturer Heathkit. He holds patents for 81 inventions including artificial intelligence (AI) methods. His doctoral dissertation was on real-time distributed AI systems, and he spent many years leading architecture design and development of large, complex AI reasoning systems.

# BOB SACHS

Bob is a patent attorney who concentrates on strategic patent counseling and prosecution for software technologies. He is also the primary patent evaluator for various patent pools relating to some of the most widely used audio-video codecs. Bob has extensive experience in developing patent portfolios for companies of all sizes, from startups to multi-nationals.

# NEEL CHATTERJEE

Neel is a world-renowned trial lawyer who specializes in high profile technology disputes. He defended Mark Zuckerberg and Facebook in the famed Winklevoss case that was the basis for the Oscar-winning film "The Social Network." He has represented innovative Silicon Valley tech firms and numerous American celebrities, socialites, and entrepreneurs in important intellectual property disputes. He regularly speaks at conventions and in webinars about law and science fiction.

# 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 28 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.*

# PATENTS: WHAT ARE THEY?

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- A set of exclusive rights granted by a state to an inventor for a fixed period of time in exchange for a disclosure of an invention.

- Constitutional right: Article I, section 8
  - Congress shall have power . . . To promote the progress of science and useful arts, by securing for limited times to authors and inventors the exclusive right to their respective writings and discoveries.

- Encourages innovation

- Encourages disclosure

- Encourages technology advancement

- Encourages equality

# HARRY MUDD AND PATENTS IN THE STAR TREK UNIVERSE

- **Technology Transfer**

- **Patent Licensing**

- **Royalties to Patent Owners**

- **Knowledge Should Be Free!**

- **Interplanetary IP Rights**

- **Royalty Audit**

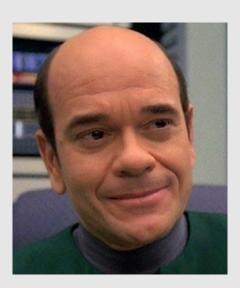- **Fraudulent Transfer**

# CAN NARUTO, COMMANDER DATA, OR THE DOCTOR GET A PATENT?



**Naruto is a macaque monkey**



**Commander Data is a synthetic artificial intelligence**



**The Doctor is a holographic artificial intelligence**

# CAN DATA BE PATENTED OR INFRINGE A PATENT?

- Inventor

- Novel (New)

- Utility (Useful)

- Nonobvious

- Invention is Fully Described in Patent

- A Scientist or Engineer Can Make the Invention ("Enablement") from Description in Patent

# SOPHIA: COMMANDER DATA, OR WIZARD OF OZ?

- Sophia is a "robot" from Hanson Robotics

- Saudi Arabia granted Sophia citizenship in 2018

- Appears to function like MIT's ELIZA : Largely pre-scripted chat software, creepy facial gestures

- Meant to suggest a near future of sentient androids

- Responses: Citizenship was criticized as mere marketing to investors

# QUESTIONS?

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