





# Hans R. Troesch

## Senior Principal

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## Overview

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### About Hans

Hans R. Troesch joined Fish & Richardson P.C. as a founding partner of the firm's Silicon Valley office in 1993. He is a senior principal and former managing principal of the office.

Mr. Troesch provides strategic patent counseling services to clients ranging from individual inventors, pre-funding startup, and research institutes, on the one hand, to large public companies, on the other. He manages portfolios of patents and patent applications, helps clients develop strategies for building patent portfolios, helps clients identify patentable inventions, and prepares and supervises the preparation and prosecution of patent applications, both in the U.S. and internationally. He also advises clients on the use of third-party challenges to patents in the U.S. Patent and Trademark Office, including reexamination, *inter partes* review, and post-grant review. He has advised clients on, and managed the transition of practice to, the changes enacted in the America Invents Act (AIA). His counseling is based on 20 years' experience as a patent practitioner, following 10 years' experience as an intellectual property litigation partner in an international law firm, and as a business lawyer advising clients on copyright, trade secrets, and licensing issues.

Mr. Troesch's current practice covers a wide range of computer-related technologies. He has substantial patent experience in distributed system architectures, internet and client-server systems, search engines, machine learning, machine translation, natural language processing, knowledge representation, information extraction, search engine optimization, virtual machines, cloud architectures and applications, web applications, user interface design for big and small screens, user experience, application personalization, collaborative filtering, recommendation systems, image

processing, color processing, optical character recognition, computer networking, microprocessor and memory architectures, databases, compilers, and operating systems. He has some experience with mobile services and advertising, web advertising, location-based services, expert systems, web security, client-side and server-side scripting, VOIP, social networks, speech recognition, computer modeling and simulation of physical systems, and embedded systems.

Mr. Troesch's prior experience includes work as a programmer, systems analyst, programming manager, and consultant. He worked operating systems, real-time data acquisition systems, packet-switched networks, cross-platform protocol conversion, and large-scale simulation.

## Focus Areas

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### Services

- Patent
- Patent Prosecution

### Industries

- Electrical and Computer Technology
- Internet
- Software

## Education

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J.D., Stanford Law School (1982) Member, *Stanford Law Review*

M.S., Computer and Communications Sciences, University of Michigan (1974)

A.B. *magna cum laude*, *Phi Beta Kappa*, Mathematics, University of Southern California (1970)

## Experience

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Preparation and prosecution of patent applications, particularly in the technologies related to computer programs, computer architectures, and digital circuitry; preparation of opinions on infringement and validity of patents; intellectual property due diligence in connection with mergers and acquisitions; management of patent portfolios; litigation and licensing of intellectual property, including patents, copyrights, and trade secrets; technology transfer; and counseling on intellectual property strategies.

Prepared and prosecuted patent applications directed to computer program applications, expert system shells, computer program application development environments, object-oriented programming technologies, Java-related technologies, cross-platform and distributed application architectures, client-server architectures, file servers, Web application servers, graphics, digital prepress, and database technologies, automatic test equipment for circuits, digital circuitry, and telecommunications equipment. Represented both plaintiffs and defendants in patent, copyright, and trade secrets lawsuits involving computer programs, computer program source code, artificial intelligence engines, and microprocessor architectures. Served as court-appointed expert in a software copyright infringement matter.

## Recognition

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- Named a “Leading Patent Professional” by *IAM Patent 1000* (2019-2021)
- Named ‘Top Rated Lawyers San Francisco’s Legal Leaders’, by *San Francisco Chronicle*, 2015
- Named ‘California’s Top 100 Lawyers’ by *Daily Journal*, 2013
- Named ‘California’s Top 75 IP Litigators’ by *Daily Journal*, 2012 and 2013