

## Our Specialists



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# DELTA PATENTS

## Consumer Electronics and Home Appliances

Our patent experts working in these fields have extensive industrial experience in multinationals such as Philips and NXP. Many of them have in-house IP management experience or have been managers of R&D projects.

- Consumer electronics equipment
  - Televisions, displays (e.g. LCD, OLED)
  - 3D-TV
  - Set-top boxes (STBs)
  - Remote controls
- Communication systems
  - Wired and wireless home networks (e.g. USB, Bluetooth, WiFi)
  - Wide area networks (e.g. Internet)
- Digital signal processing, audio/video processing
  - Audio/video encoding (e.g. MPEG)
  - Audio/video formats (e.g. DVD, Blu-ray)
  - Video processing (e.g. frame-rate conversion, 2D to 3D)
  - Image processing
  - Video analysis and machine vision (e.g. face detection)
  - Display-specific processing
- LED technology
  - Wave-guide design
  - LCD backlight
  - OLED
- Speech technology, speech recognition
- Data storage
  - Optical recording systems (e.g. CD, DVD, Blu-ray)
  - Magnetic recording, hard disks
- Semiconductor technology
  - RFID technology and systems
  - Power MOST's
  - On-chip battery concepts
- Analog electronics
  - Power converters,
  - Display drive (LCD, PDP, CRT) – backlight design, drive, control
- Software and user interfaces
  - Software implemented algorithms
  - Software architectures
  - User interfaces, in particular for consumer electronics systems
  - Internet services, e.g., advertisements on data network, help-desk functionality
- Security
  - Conditional Access Systems, Digital Rights Management
  - Security and cryptography of data storage and transmission
  - White-box technology
  - Secure key storage
- Home appliances
  - Personal care, e.g. electric shavers, toothbrushes
  - Cooking and major appliances
  - Home automation, domotics