

where invention and execution take flight.

Innovations 2013 Design and Engineering Awards

2013 CATEGORY GUIDE





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NEW! ACCESSIBLE & UNIVERSAL DESIGN TECHNOLOGIES

Products innovative features that enable ease of use by anyone, including, but not limited to, accessibility for seniors and people with disabilities, regardless of cognitive, hearing, mobility, visual or other impairments.

COMPUTER ACCESSORIES

Products designed to enable, enhance, connect, power and/or maintain desktop or portable computer systems. Examples include:

- Cables & Connectors
- Carrying Cases
- Ergonomics Products
- Mobile Computing Accessories
- Monitor Glare/Privacy Filters
- Mouse Pads
- External PC Cooling Products
- Power Adapters
- Storage Products

COMPUTER HARDWARE & COMPONENTS

All desktop and notebook computer systems, as well as their internal components, EXCEPT for tablets and e-readers, which have their own category. Examples include:

- Desktop Computers
- Notebook Computers
- CPUs/Processors
- Computer Cases/Enclosures
- Fans & Heatsinks
- Graphics & TV Tuner Cards
- Internal Hard Drives & Storage
- Internal Disc Drives
- Memory (RAM)
- Motherboards
- PCI Cards
- Other Internal PC Components

COMPUTER PERIPHERALS

Products designed to connect to and extend the functionality of desktop or portable computer systems. Examples include (but are not limited to) products that provide printing, networking, user input, and display, as well as the following:

- Backup Devices
- Computer Speaker Systems
- Data Projectors
- Expansion Docks & Adapters
- External Disc & Hard Drives
- Hubs and Converters
- Keyboards
- Mice & Pointing Devices
- Microphones
- Monitors & Displays
- Portable Data Transfer Cards/Devices
- Printers, Copiers, and All-In-One Units
- Scanners
- Uninterruptible Power Supplies (UPS)
- Webcams

DIGITAL IMAGING

Products designed to enhance the visual experience and/or allow the user to capture, store and edit still images or video. Examples include:

- Binoculars
- Photo Backup Devices
- Cables
- Camcorders & Accessories
- Cameras
- Carrying Cases
- Flash RAM/Portable Media Storage
- Flash Units & Lights
- Photo Printers
- Photo Display Devices
- Photo Sharing Tools
- Photo Scanners
- Retail Kiosks
- Tripods
- Other Digital Imaging Accessories



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ECO-DESIGN AND SUSTAINABLE TECHNOLOGIES

Innovative features incorporated into consumer electronics products that make them safe for the environment, e.g., efficient and clean energy use; manufacturing processes that reduce use of environmentally relevant substances (e.g., lead, mercury); durability/end-of-life (reuse, refurbish, remanufacture, recycle); resource conservation.

EMBEDDED TECHNOLOGIES

Silicon chips and integrated components designed to provide functionality to finished products or subassemblies. Examples include:

- Chips
- Electronic Components
- Enabling Technologies
- Integrated Circuits
- Internal components that improve a product's performance
- Embedded Memory
- Non-PC Processors

GAMING HARDWARE & ACCESSORIES

Products (hardware) designed to allow one or more users to interact with electronic games. Examples include:

- Carrying Cases
- Controllers, Joysticks, & Input Devices
- Cords and Cables
- Gaming Consoles/Systems
- Handheld Gaming Systems & Accessories
- Memory Upgrades
- Motion-sensing Interfaces
- Network Connectivity Accessories
- 3D Gaming Hardware

HEADPHONES

Devices that allow users to listen to audio content, such as music, radio, video, TV, gaming, and/or telephone conversations. The devices may incorporate microphones for user voice response or input, and do not have to be designed for use with any specific type of device. Examples include:

- Custom or Form-fitting Headphones
- DJ Headphones
- Earbuds
- Earpieces

Headsets

- Wired & Wireless Computer Headphones

HEALTH & FITNESS

Products designed to test, monitor, or analyze the health, well-being, fitness and/or medical condition of an individual or provide therapeutic benefit. Products must have significant electronic functionality as a central part of the item's operation. Examples include:

- Aesthetics Equipment (Obesity/Weight; Cosmetic)
- Cellular phone applications to monitor, diagnose, and/or assist medically
- Body Composition Monitors (Home; Professional)
- Fitness & Workout Products
- Hand-held Health Monitoring Devices
- Medication Monitors/Distributors
- Mobility Aids
- Personal Safety Devices
- Remote Monitoring Devices
- Scales (Home; Medical; Veterinary; Food Service)
- Therapeutic Equipment (Pain Relief, Physiotherapy, Sports/Rehab)
- Video/Image Capturing Devices
- Vision & Hearing Products
- Other Health/Wellness Products & Devices

HIGH PERFORMANCE HOME AUDIO

Separate audio components and speakers that provide for optimal performance and sound reproduction. Items are typically produced in limited quantities and are often handcrafted. Examples include:

- Amplifiers
- Audio Players
- Equalizers
- Preamplifiers
- Receivers
- Signal Modification Devices
- Speakers
- Tuners
- Other High Performance Home Audio Devices



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HOME APPLIANCES

Products that have a primary function of being used in the home. These products include both major and portable appliances, and may provide home heating and cooling, comfort, aesthetics, convenience, food storage and preparation, and/or cleaning. Products should have significant electronic functionality as a central part of the item's operation. Examples include:

- Air Conditioners
- Air Treatment
- Clothes Washers and Dryers
- Cooking Ventilation Equipment
- Dehumidifiers
- Dishwashers
- Garbage Disposal
- Microwave Ovens
- Mixers
- Powered Sweepers
- Ranges and Ovens
- Refrigerators
- Telephones
- Vacuum Cleaners

HOME AUDIO/VIDEO ACCESSORIES

Products designed to enable, enhance, connect, and/or maintain home audio/video systems and components. Examples include:

- A/V Calibration Devices
- Antennas
- Cables/Wires
- Connectors
- Content Management Devices
- Installation Products
- Microphones
- Mounting Equipment/Brackets
- Power Management Devices
- Remote Controls
- Storage Products
- Television/Speaker Mounts & Stands

HOME AUDIO/VIDEO COMPONENTS

Systems or components designed to provide playback, storage, and/or distribution of video signals and content in the home. Examples include:

- Amplifiers & Preamps
- Audio/Video Disc Players & Changers
- Digital/Personal Video Recorders (DVR, PVR)
- Digital Sound Processors
- DJ Equipment
- Equalizers
- Home-Based Internet or Satellite Audio Devices
- Mixing Boards
- Professional Audio Systems
- Rack Systems
- Receivers
- Set-top Boxes
- Tuners
- Turntables

HOME NETWORKING

Products and accessories that enable users to maintain a wired or wireless data network, with the most typical applications being file, print and internet access sharing. Systems may also include products and software that provide for remote or conditional access. Examples include:

- Ethernet-Based Networking Systems
- Firewall/Routers
- Internet Access Devices
- Internet-Based Audio Devices
- Modems
- Network Audio/Video Delivery Devices
- Residential Gateway Products
- Phone & Power Line Based Networking Systems
- Residential Gateways
- Switches
- WiMax Equipment
- Wireless Access Points & Adapter Cards
- Wireless-Based (802.11x) Devices



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HOME THEATER SPEAKERS

Speakers with the primary purpose of incorporation into a home theater system. Examples include:

- All-in-one Speaker Packages
- Bookshelf
- Center Channel
- Digital Sound Projectors
- Flat
- Floor
- In-wall & In-ceiling
- Outdoor
- Speaker Systems
- Subwoofers
- Surround Sound Speakers
- Wireless

INTEGRATED HOME SYSTEMS & MULTI-ROOM AUDIO/VIDEO

Products and components designed to be used as complete systems or subsystems in the home to control the distribution of and access to audio and video content. Systems may also control lighting, energy and environmental systems and security access. Examples include:

- Cable & Wiring Systems
- CEBus Products
- Energy Management/HVAC Systems
- Gate Access Controls
- Home Security Monitoring/Installation Services
- Intercom/Telephone Systems
- Lighting Control Systems
- Media Servers
- Multimedia Control Centers
- Multi-room Audio/Video Products
- Multi-room All-in-one Systems
- Remote Control Systems
- Telephones & Communications
- Video Surveillance Systems
- Whole House Systems
- Window/Covering Controls

IN-VEHICLE ACCESSORIES

Products designed to enable, enhance, connect, and/or maintain in-car audio, video and navigation systems, and components.

Examples include:

- Adapters
- Antennas
- Cables & Wiring
- Capacitors
- Installation Kits and Accessories
- Insulation
- Marine A/V and Accessories
- Mounting Products

IN-VEHICLE AUDIO/VIDEO

Products and components designed to be part of an in-vehicle audio and video system. Examples include:

- Amplifiers
- Crossovers
- Digital Media Interfaces
- Disc Changers
- DVD/Blu-ray Players
- DVD/Blu-ray Display Systems
- Equalizers
- HD/Satellite Radio Receivers
- Head Units
- In-dash Displays
- Marine A/V Products
- Speakers

IN-VEHICLE NAVIGATION/CONTROL/TELEMATICS

Products and components designed to be part of an in-car navigation, information retrieval and transmission service, or facilitate the integration of audio, video, and navigation systems. Examples include:

- Alarms and Remote Start Systems
- Factory Integration Products
- In-Vehicle GPS/Navigation Devices
- Intelligent Transportation Systems
- Marine Depth & Navigation Technologies
- Radar Detection



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PERSONAL ELECTRONICS

Products that have a primary function of being worn, carried, or used by a person. These products may assist with ease of living, time keeping, data reference/calculation, or many other functions of daily life. Examples include:

- Alarm Clocks
- Calculators
- Dictation Equipment
- Electronic Clothing & Wearables
- Electronic Glasses/Goggles
- Electronic Reference Devices
- Electronic Toys
- Electronic Musical Instruments
- Flashlights
- Household Electronic Items
- Mobile Office Accessories
- Other Personal Electronics
- Sports Electronics
- Watches

PORTABLE MEDIA PLAYERS & ACCESSORIES

Products incorporating integrated storage and playback capability for audio and/or video content, as well as the accessories for enabling, enhancing, connecting, carrying, and/or maintaining them. Examples include:

- Audio Devices
- Audio System Components
- Carrying Cases
- Chargers/Adapters
- DVD Player
- eBook readers
- Home Video
- Media Receivers
- MP3 Players
- Portable Media Storage
- Satellite Radio
- Video Devices
- Video Player

PORTABLE POWER

Devices designed to facilitate the powering and/or charging of consumer electronic products. Examples include:

- Battery Chargers
- Lithium Batteries
- Other Supplemental Power Systems
- Power Adapters
- Power Inverters
- Rapid Chargers

SOFTWARE & MOBILE APPS

Programs or operating systems meant to be used on a computer system or mobile device. Examples include:

- Windows Software (retail, freeware, etc)
- Mac Software
- Linux Software
- Android Mobile and Tablet Apps
- Blackberry Mobile and Tablet Apps
- iOS Mobile and Tablet Apps
- Other Computer Software
- Other Mobile Device Applications

TABLETS, E-READERS & MOBILE COMPUTING

Examples include:

- Electronic Reading Devices
- Hand-held Computer Systems
- Mobile Computing Systems
- Ultra-Mobile Portable PCs

NEW! TECH FOR A BETTER WORLD

Products that share a common goal or ability to impact the world in a positive way whether domestically or on a faraway corner of the globe.

VIDEO DISPLAYS

Devices whose primary purpose is the display of video content, excluding items marketed and sold primarily as computer monitors. Examples include:

- 3-D Display Technology
- DLP Displays
- Flat Panel Displays (All Types)
- LCOS Displays



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- OLED Displays
- Other Video Displays
- Projectors
- Televisions (Projection, DLP, Plasma, LCD, etc)
- Multi-Function Televisions

WIRELESS HANDSET ACCESSORIES

Products designed to enable, enhance, connect, carry, and/or maintain wireless handsets. Examples include:

- Antennas
- Battery Packs
- Cables
- Carrying Cases
- Chargers/Adapters
- Earpieces/Headsets
- Faceplates/Skins
- Memory Cards
- Mobile Phone Accessories
- Mounting Hardware
- Other Wireless Phone Accessories
- Supplemental Power Systems

WIRELESS HANDSETS

Items marketed primarily for the ability to provide wireless calling capability. The products in this category, in addition to having voice calling features, may also incorporate wireless data and internet access features along with built-in camera and media playback functionality. Examples include:

- Mobile Phones
- PDA
- Smart Phones
- Two-Way Radios (Family Radio)
- Wireless Email/Phone Devices