

Patented Wireless Solution for Growing Camera Phone Markets

LH Communications

Presentation

18.07.2014



Your options

- **Ape TV** is patented wireless solution for watching Camera Phone photos and videos on TV via Bluetooth&wifi.
- You can watch everything on TV what you have on your mobile phone it means that with this streaming media device your tv can ape your mobile phone.
- Our company has launched our new product Ape TV with Bluetooth 4.0 chip
- Camera Phones now in the world: 4,2 billion (Communities dominate brands)
- Ape TV is based on our own patent “Method of transferring data of screen and voice from a mobile phone to a television”
- We have patents in USA,Europe and Finland.



Ape TV

We have three strong arguments against our competitors:

- 1) Ape TV will use Bluetooth 4.0 chip which is according to our patent US6947067 and which is the best and provides the highest level of integration for a mobile and handheld wireless systems.**
- 2) Our product will be available with almost all operating system. The key systems will be Windows and Android.**
- 3) You can connect Ape TV by using HDMI or SCART**



PHOTOS TO Ape TV

MMS

- With MMS-mobile phone you can receive and send photos
- Now it is easy to watch them together with your family on the TV-screen, when you have Bluetooth&wifi in your mobile phone and Ape TV connected in your TV



Bluetooth&wifi



VIDEO STREAM TO Ape TV

UMTS

- With UMTS-mobile phone you can receive and send video stream
- It is easier to look at TV-screen, only Ape TV connected in TV and Bluetooth&wifi in your mobile phone
- And of course Ape TV can be connected all the time
- You can also receive movies with UMTS-mobile phone and send to your TV via Bluetooth&wifi

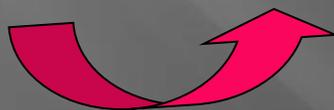


Bluetooth&wifi

INTERNET GAMES with Ape TV

Youngsters

- Boys and girls can visit their fellows and play together Internet games on TV-screen
- The game can be downloaded from Internet by anybody of the youngsters



Bluetooth&wifi



WEB, MOBILE PHONE, Ape TV AND TV-SET

Web pages

- With GPRS and UMTS mobile phones it is easy to search and download Internet pages
- It is easier to watch them on the TV-screen, when they include much information



Bluetooth&wifi



TV MOVIES FROM MOBILE WITH Ape TV

•TV MOVIES FROM INTERNET LIKE MTV3'S KATSOMO YOU ARE WATCHING WITH YOUR LAPTOP or MOBILE PHONE go with Ape TV and Bluetooth&wifi also to your own big palsa or lcd-TV



Bluetooth&wifi



YOUTUBE WITH Ape TV INTO YOUR TV

•TV MOVIES FROM
YOUTUBE YOU ARE
WATCHING WITH YOUR
LAPTOP or MOBILE
PHONE go with Ape TV and
Bluetooth&wifi also to your
digital tv, own big plasma or
lcd-TV or original TV



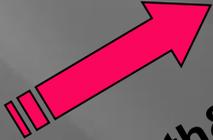
Bluetooth&wifi



NEWSPAPER FROM MOBILE WITH Ape TV TO TV

•NEWSPAPER FROM INTERNET YOU ARE WATCHING WITH YOUR LAPTOP OR MOBILE PHONE goes with Ape TV and Bluetooth&wifi also to your own big plasma or lcd-TV




Bluetooth&wifi



U.S. STATISTICS

•This year about 54% of homes in the U.S. had more than 3 or more television sets, 28% had 2 television sets and only 18% had 1 television set. There were 114.5 million TV homes in the U.S. in 2009. (Nielsen's Television Audience Report)

That means that in the U.S. there are more than 200 millions of television sets.

•I can imagine that some company can sell more than 50 million accessory for tv's to watch mobile pictures.



Bluetooth 4.0

- ▣ Our company has launched our new product Ape TV with Bluetooth 4.0
- ▣ The Bluetooth SIG completed the Bluetooth Core Specification version 4.0, which includes *Classic Bluetooth*, *Bluetooth high speed* and *Bluetooth low energy* protocols. Bluetooth high speed is based on Wi-Fi, and Classic Bluetooth consists of legacy Bluetooth protocols. This version has been adopted as of June 30, 2010.



Bluetooth + WLAN (4.0 includes 3.0)

Basic information about Bluetooth 3.0

The core of Bluetooth 3.0 operates with 802.11 PAL (Protocol Adaptation Layer), in other words 802.11 WLAN –connection.

When transferring a lot of data the system will use automatically WLAN connection, so called wifi.

LH Communications patents:

In USA

- US 6,947,067

In Europe

- EP 1356678 (adjustment)

In Finland

- FI 110046
- FI 20080277, PCT/FI2009/050260, (WO2009125
- FI119305, PCT/FI2008/050425

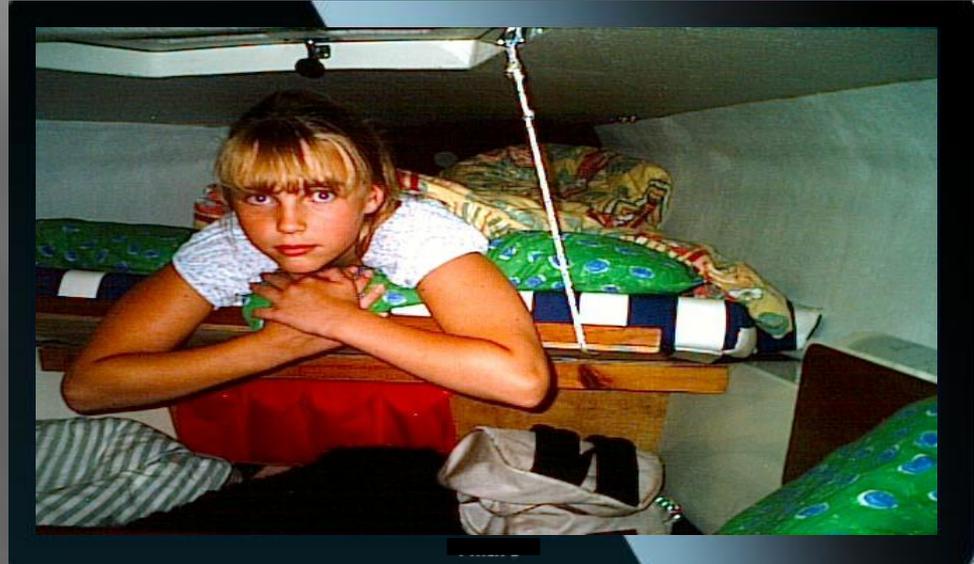


VIDEOPHONE WITH Ape TV

Videophone

•From now on it is possible to use videophone at home with help of TV-screen and voice.

•e.g. when you use UMTS you can watch at home your conversation partner clearer from a bigger TV-screen



Bluetooth&wifi

INTERNET PAGES WITH Ape TV INTO TV

Internet

-Internet pages can be read by all these phones

- WAP (Wireless Access Protocol),
- HSCSD (High Speed Circuit Switch Data),
- HSDPA(High-Speed Downlink Packet Access)
- EDGE (Enhanced Data Rates for GSM Evolution)
- CDMA (Code Division Multiple Access) - phones
- IMT (International Mobile Telecommunication) 2000-terminals

-With Ape TV and Bluetooth&wifi these also go to TV



Bluetooth&wifi

Implementation



Connection of Ape TV to TV with SCART or HDMI adapter or RCA cable



Ape TV

