
From: Ira Marlowe
Sent: Wed 2/16/2005 9:00 PM (GMT-05:00)
To: Mike Friscia (mfriscia@mccarter.com); Mark e. Nikolsky (mnikolsky@mccarter.com)
Cc:
Bcc:
Subject: snapshots of Ford to iPod "play" command translation

Subject: snapshots of Ford to iPod "play" command translation

...

Ford iPod interface provides all necessary protocol and signal level translations to bring non-native iPod into Ford OEM environment.

Two software snapshots are shown as an example of software implementation for Ford protocol "play" command and converting it into iPod protocol command transmitting "play/pause" command for 3G generation of iPod.

// 1st snapshot

//decoding Ford "play" command :41-C0-80-CA-01+

```
if ( ACP_rx_ready == ON ) {
    ACP_rx_ready = OFF;

    ACP_rx_taddr = ACP_rx_buff[1];
    ACP_rx_saddr = ACP_rx_buff[2];
    ACP_rx_data1 = ACP_rx_buff[3];
    ACP_rx_data2 = ACP_rx_buff[4];
    ACP_rx_data3 = ACP_rx_buff[5];

    if ( (ACP_rx_saddr == 0x80) ) {
        switch ( ACP_rx_taddr ) {
            case 0xC0:
                if ( ACP_rx_data1 == 0xCA ) {
                    if ( ACP_rx_data2 == 0x01 ) {
                        flags.ACP_play_req = 1;
                    }
                    break;
                }
                break;
            }
        }
    }
```

// 2nd snapshot

// encoding iPod "play/pause" command 0xFF 0x55 0x03 0x02 0x00 0x01 0xFA

IPR2016-00418 – Ex. 2006

Plaintiff's Exemption to Public Patent Coverage

```
if ( iPod_play_req == ON ) {  
    iPod_play_req = OFF;  
  
    iPod_tx_data[0] = 0x55;  
    iPod_tx_data[1] = 0x03;  
    iPod_tx_data[2] = 0x02;  
    iPod_tx_data[3] = 0x00;  
    iPod_tx_data[4] = 0x01;  
    iPod_tx_counter = 5;  
    iPod_tx_ready = ON;  
}
```