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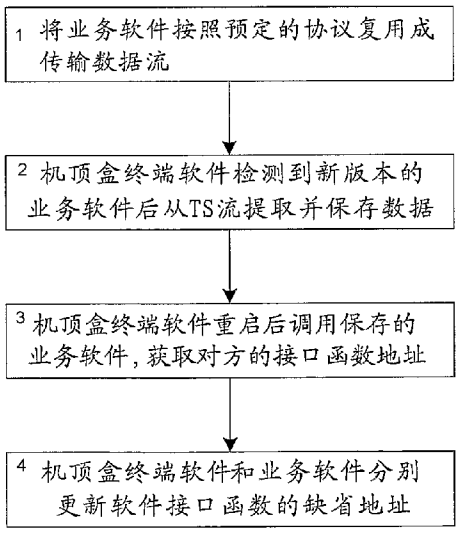
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(54) Title: METHOD AND APPARATUS FOR IMPLEMENTING SOFTWARE UPGRADE IN THE DIGITAL TELEVISION RECEIVING DEVICE

(54) 发明名称: 一种实现数字电视接收设备软件升级的方法和装置



1 THE SERVICE SOFTWARE IS MULTIPLEXED INTO SPECIFICAL TRANSMISSION DATA STREAM ACCORDING TO THE PREDETERMINDED PROTOCOL
2 AFTER DETECTING THE SERVICE SOFTWARE IN NEW VERSION, THE DATA IS EXTRACTED FROM TRANSMISSION STREAM AND IS STORED BY THE SET TOP BOX TERMINAL SOFTWARE
3 AFTER THE SET TOP BOX TERMINAL SOFTWARE IS RESTARTED, THE STORED SERVICE SOFTWARE IS CALLED AND THE ADDRESS IN THE INTERFACE FUNCTION OF THE OPPOSING PARTY IS OBTAINED
4 THE SET TOP BOX TERMINAL SOFTWARE AND THE SERVICE SOFTWARE UPDATE THE DEFAULT ADDRESS IN THE INTERFACE FUNCTION OF THE SOFTWARE RESPECTIVELY

(57) Abstract: A method and an apparatus for implementing the software upgrading in the digital television receiving device are disclosed. In the method, the service software is multiplexed into specified transmission data stream according to the predeterminded protocol; the service software is extracted from said transmission stream by the digital television receiving device terminal softwareand is stored; the digital television receiving device terminal software is restarted to enable the digital television receiving device terminal software and the service software to obtain the address of the software interface function of the opposing party respectively; the digital television receiving device terminal software and the service software update the default address in the interface function of the needed service software and the default address in the interface function of the needed terminal software by means of the obtained address respectively. The digital television receiving device software and the service software can be separated and be upgraded individually by using the invention.

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(57) 摘要：

本发明公开一种数字电视接收设备软件升级的实现方法及装置，该方法将业务软件按照预定的协议复用到指定的传输数据流；数字电视接收设备终端软件从所述传输流提取和保存所述业务软件；重新启动数字电视接收设备终端软件，使数字电视接收设备终端软件和业务软件分别获取对方软件接口函数的地址；数字电视接收设备终端软件和业务软件分别利用获取的地址更新所需的业务软件接口函数的缺省地址和所需的终端软件接口函数的缺省地址。通过本发明使数字电视接收设备软件与业务软件相互分离，可单独升级。