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(54) **A method for transmission of data signals from a transmitting device to a receiving device using envelope tracking for signal amplification, a transmitting device and a receiving device therefor**

(57) The invention concerns a method for transmission of signals comprising envelope signal components from a transmitting device (BS) to a receiving device (RAH1), wherein electrical signal components are digitally modulated in the transmitting device (BS) resulting in electrical digital signal components, the electrical digital signal components are converted into optical digital signal components and transmitted over an optical connection (OF1, OF2) from the transmitting device (BS) to the receiving device (RAH1), the optical digital signal components are converted into electrical digital signal components in the receiving device (RAH1), the electrical digital signal components are converted into electrical analogue signal components in the receiving device (RAH1), and said signals are amplified in an analogue radio frequency power amplifier (PA), a transmitting device and a receiving device therefor.

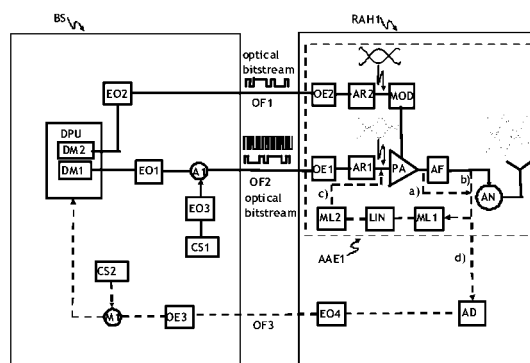


Fig. 2