



ABSTRACT

DEVICE FOR INTERFACING BETWEEN COMMUNICATIONS MEDIA IN A HOME
SYSTEMS NETWORK

The invention relates to a device for interfacing (13) between at least two communications buses (11, 12).

The device is characterized in that it comprises a two-way interface (1, 2) for each of the said communications buses,

a circuit for comparison (5) of messages received on the said interfaces,

a circuit for resolving conflicts of priority (6) between messages overlapping in time, the said conflict-resolution circuit (6) authorizing transmission of the priority message, through the said interface or interfaces (1, 2), to the communications buses from which the said priority message did not originate.

The invention applies particularly in the field of home systems.

Figure 2



Figure 3

31 Filter

33 Sampler

35 Start bit detection

34 11-bit counter

outputs

36 Decoding

Figure 5

et = and

ou exclusive = exclusive or

ou = or

raz = reset

bascule = flip-flop

Figure 6h

et = and