

Title (en)

Low noise block (LNB) with optical output

Title (de)

Rauscharmer Abwärtsumsetzerblock (LNB) mit optischer Ausgang

Title (fr)

Bloc convertisseur à faible bruit (LNB) avec sortie optique

Publication

EP 2822199 A1 20150107 (EN)

Application

EP 14186759 A 20070222

Priority

- GB 0603502 A 20060222
- GB 0624659 A 20061211
- EP 07705240 A 20070222

Abstract (en)

The invention relates to a low noise block (LNB) for receiving data which is transmitted thereto via one or more satellite transmission systems and an antenna, the data being converted to an optical signal for transfer in an optical format to one or more premises. The LNB includes an integrated IF optical converter which includes waveguide probes (249) which split the received data into vertical and horizontal polarization paths which lead to an IF diplexer (213; 243', 243'') and in turn a laser modulator (26; 215) to change the format of the data received into a single optical signal output (28) from the LNB. Digital Audio Broadcast (DAB) system and/or Digital terrestrial television (DTT) can be combined at the LNB and converted into an optical format to be carried as part of the single optical signal output from the LNB.

IPC 8 full level

H04H 40/90 (2008.01); **H04H 20/63** (2008.01); **H04H 20/69** (2008.01)

IPC 8 main group level

H04H 1/00 (2006.01)

CPC (source: EP)

H04H 40/90 (2013.01); **H04H 20/63** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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