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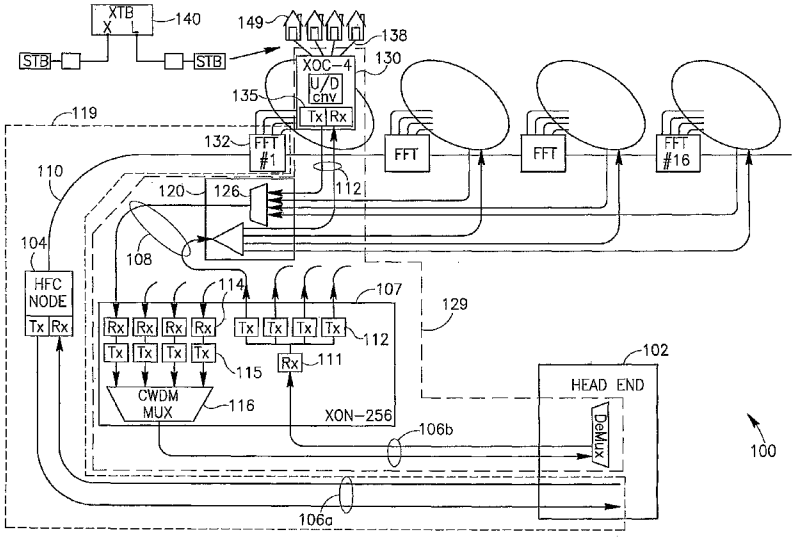
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(54) **Title:** DEVICE, SYSTEM AND METHOD OF TRANSFERRING INFORMATION OVER A COMMUNICATION NETWORK INCLUDING OPTICAL MEDIA



(57) **Abstract:** Embodiments of the invention provide methods, devices and systems of transferring information upstream from two or more sets of user devices in a cable communication network. The system, according to some demonstrative embodiments of the invention, may include two or more optical transmitters to transmit two or more respective light beams having two or more respective wavelength spectra, the light beams carrying two or more respective optical signals of upstream information from the two or more sets of user devices, respectively; a combiner to combine the two or more light beams into a multicolor light beam carrying the two or more optical signals; and a multicolor receiver to convert the multicolor light beam into an electrical radio frequency signal carrying the information from the user devices. Other embodiments are described and claimed.

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