

International Telegraph and Telephone
Consultative Committee
(CCITT)

COM XVII- No.

D182

V032-03

Period 1981-1984

Original: English

Question: 16/XVII

Date: November , 1983

Title: Patents Pertinent to V.aa Modems

Source: AT&T

The following list includes patents owned by AT&T that may be pertinent to possible implementations of modems covered by draft recommendation V.aa. The list was formulated through a commercial data base search of titles and subjects and a review of abstracts. Accordingly, omission of pertinent patents from the list shall not be deemed a waiver or relinquishment of any rights with respect thereto. In some instances, the United States patent has foreign counterparts that are not contained on the attached list. It is also to be noted that inclusion of any patent in the list in no way implies that implementation of a modem in accordance with the recommendation will result in a violation of any patent rights.

In addition to the listed patents owned by AT&T, a patent application, entitled "Differentially Nonlinear Convolutional Channel Coding with Expanded Set of Signalling Alphabets" which discloses the differential coding proposed in the AT&T contribution, is pending in the United States and other countries. Other applications which have or may be filed, relate to techniques which may be pertinent to possible implementations of V.aa modems, including equalization, modulation, demodulation, carrier and timing recovery, echo cancellation, automatic gain control and filtering. However, while the inventions described in these applications might be useful in implementation of V.aa modems, it is believed that structures other than those covered by resulting patents, if any, might also be used by modem implementors.