

PATENT STATEMENT

Source: Northern Telecom Inc.

Title: Patent Statement Relating to CCITT Draft Recommendations G.707, G.708 and G.709 - A Set of Specifications for the Synchronous Digital Hierarchy and NNI.

Northern Telecom will grant, on non-discriminatory, reasonable terms and conditions, licenses under its Patent Claims to all users, solely for their use in complying fully with the Recommendations, on condition that any such user first express willingness to grant to Northern Telecom, for itself and its affiliated companies, on non-discriminatory, reasonable terms and conditions, licenses of similar scope under such user's Patent Claims, if any, for use in complying with the Recommendations.

Any application for license under Northern Telecom's Patent Claims pursuant to this Patent Statement should be made to:

Director of Technology,
Standards and Technical Requirements
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As used herein,

"Patent Claim" means any patent claim for an invention made prior to the approval of the Recommendations which is a claim of a patent owned or controlled by Northern Telecom or its affiliated companies, the use of which essential to meet the Recommendations and cannot be avoided by those skilled in the art through the exercise of their best efforts.

Such Patent Claims may include one or more claims of patents, and patents resulting from patent applications, listed in Schedule "A" hereto.

"Recommendations" means the approved recommendations corresponding to CCITT Draft Recommendations:

G.707 - Synchronous Digital Hierarchy Bit Rates;

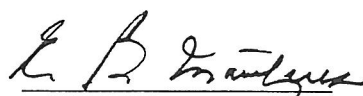
G.708 - Network Node Interface for the Synchronous Digital Hierarchy; and,

G.709 - Synchronous Multiplexing Structure,

currently set forth in COM XVIII-R 57/AP IX-142.

NORTHERN TELECOM INC

By:



E. B. Matthews
Vice-President

Date: September 9, 1988

SCHEDULE "A"

PATENTS AND PATENT APPLICATIONS

U.S. Patent 4646286
Issued: February 24, 1987
Reid et al
Communications System with Protection Switching and
Channel Identities

U.S. Patent 4667324
Issued: May 19, 1987
Graves
Network Multiplex Structure

U.S. Patent Application 058010
filed: June 4, 1987
McEachern et al
Synchronization of Asynchronous Data Signals