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(54) **PIECE OF ETHERNET TERMINAL EQUIPMENT**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

A piece of Ethernet terminal equipment having an Ethernet connector including first and second pairs of contacts used to carry Ethernet communication signals. At least one path for the purpose of drawing DC current. The at least one path coupled across at least one of the contacts of the first pair of contacts and at least one of the contacts of the second pair of contacts. The piece of Ethernet terminal equipment to draw different magnitudes of DC current flow via the at least one path. The different magnitudes of DC current flow to result from at least one condition applied to at least one of the contacts of the first and second pairs of contacts, wherein at least one of the magnitudes of the DC current flow to convey information about the piece of Ethernet terminal equipment.

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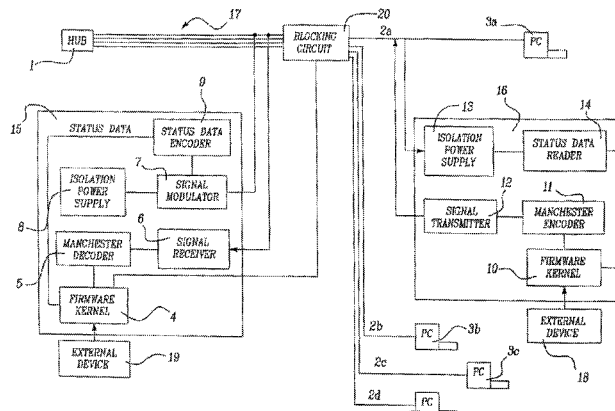
**H04L 1/24** (2006.01)

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CPC .. **H04L 1/24** (2013.01); **H04B 3/54** (2013.01); **H04B 2203/5445** (2013.01); **H04B 2203/5458** (2013.01); **H04B 2203/5466** (2013.01); **H04B 2203/547** (2013.01); **H04B 2203/5491** (2013.01); **H04B 2203/5495** (2013.01)

**125 Claims, 13 Drawing Sheets**



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