EXHIBIT 1021



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United States Patent [19]

Pearce et al.

5,910,951 [11] **Patent Number:**

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[54] TRANSMITTING DEVICE WITH MOBILITY MANAGER AND METHOD OF **COMMUNICATING**

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[73] Assignee: Motorola, Inc., Schaumburg, Ill.

[*] Notice: This patent issued on a continued prosecution application filed under 37 CFR

1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C.

154(a)(2).

[21] Appl. No.: 08/720,984

[56]

Filed: Oct. 15, 1996 [22]

Int. Cl.⁶ H04L 12/28 [51]

[52]

[58] 370/401, 465, 471, 464, 351, 444; 455/445, 446, 557, 452, 453; 375/200.76

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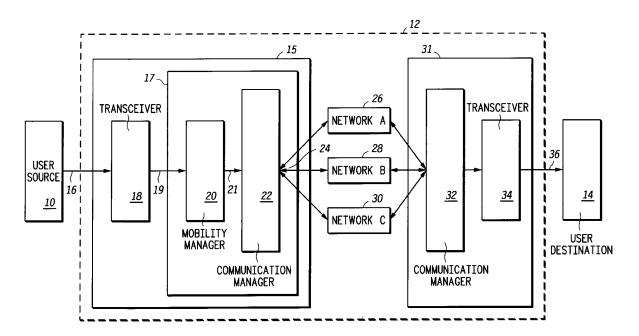
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Primary Examiner—Ajit Patel Assistant Examiner—Chiho Andrew Lee Attorney, Agent, or Firm-Terri S. Hughes

[57] **ABSTRACT**

A transmitting device (15) for communication over a multiplicity of networks having a communication manager (22) and a mobility manager (20). The mobility manager (20) includes a database (40) having a net table (42) of potential networks and a filter (38). The filter (38) generates a prioritized list of qualifying networks over which a data object is to be transferred. Also described is a method for sifting through and filtering the net table (42) of potential networks and their characteristics. A prioritized list of qualifying networks is generated wherein each qualifying network has a priority. A transmission request is generated based on a combination of the data object and the prioritized list of qualifying networks and is transmitted over the selected qualifying network (26), (28), or (30) having a highest priority.

12 Claims, 3 Drawing Sheets





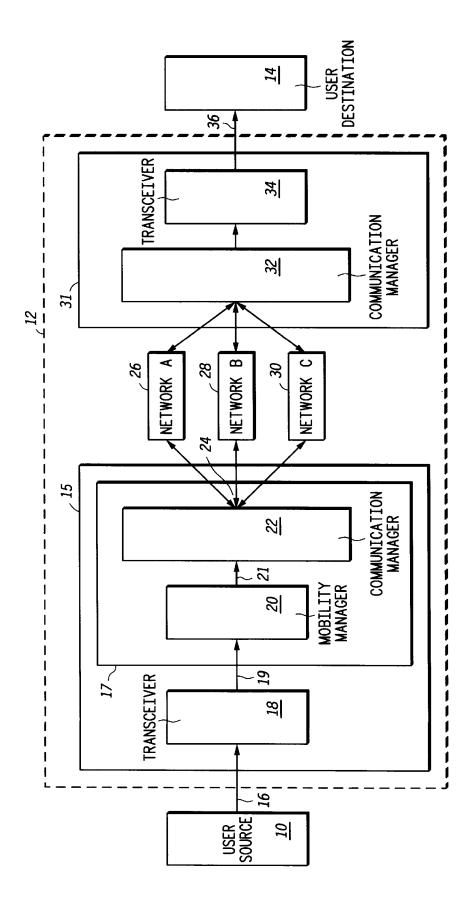


FIG.1

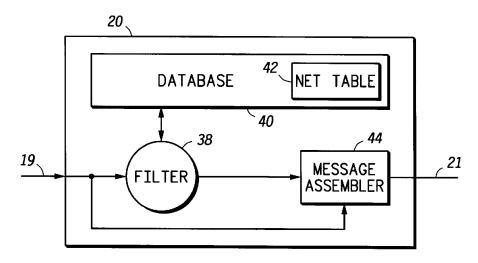


FIG.2

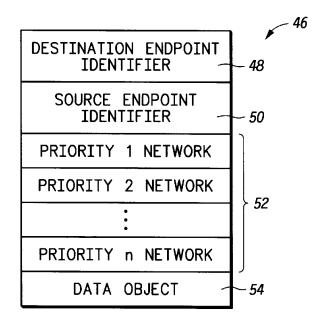
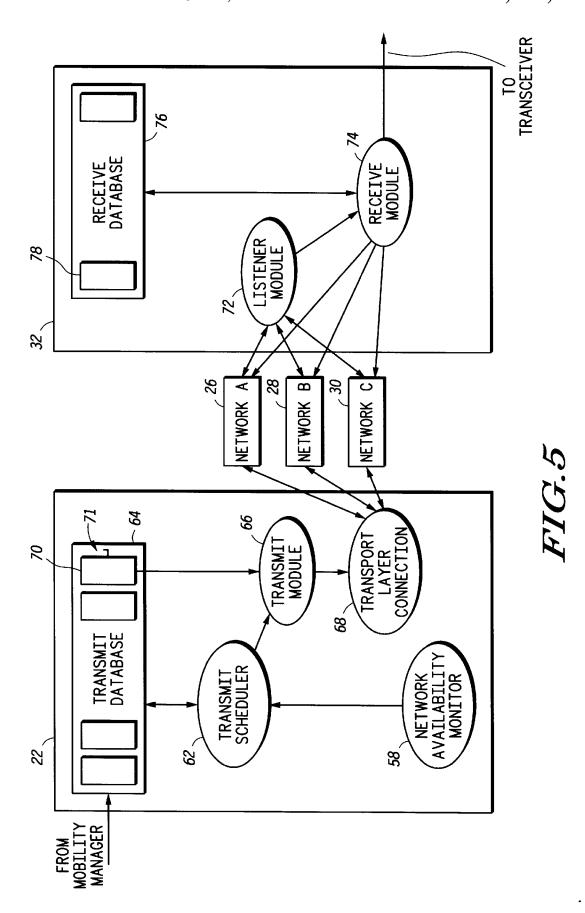


FIG.3

| COMMUNICATION MANAGER <u>22</u> | | | | | | |
|----------------------------------|--------------------|---|----------------------------------|--|--|--|
| OBJECT TRANSMIS PROTOCOL | SSION <u>56</u> | NETWORK AVAILABILITY MONITOR <u>58</u> | | | | |
| NETWORK INTERFACE A <u>59</u> | NETWORK : | INTERFACE 3 60 | NETWORK INTERFACE C <u>61</u> | | | |

FIG.4



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