



[54] **OFFICE COMMUNICATION SYSTEM** 5,737,333 4/1998 Civanlar 370/352
5,771,459 6/1998 Demery 370/401

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[30] **Foreign Application Priority Data**
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[51] **Int. Cl.⁶** **H04Q 7/24**
[52] **U.S. Cl.** **370/338; 370/401**
[58] **Field of Search** 370/395, 338,
370/400, 401, 315, 328, 452, 349; 455/552,
553

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Primary Examiner—Chau Nguyen
Assistant Examiner—Think Vu
Attorney, Agent, or Firm—Perman & Green, LLP

[57] **ABSTRACT**

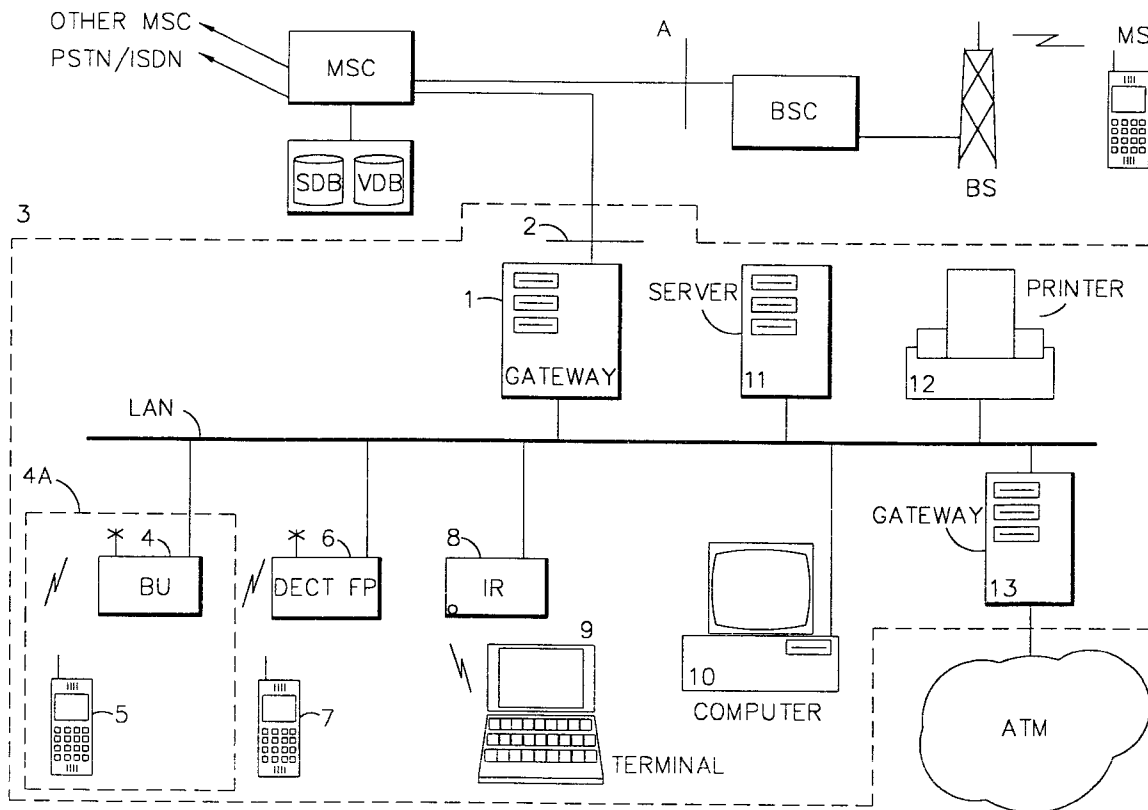
The invention relates to integrated office communication systems employing a local area network (LAN) for intra-office communications. In the arrangement according to the invention, no other internal networks are needed in the office because computers (10) are connected to the local area network and telephones (5, 7) are either mobile or cordless phones for which there are low-power room-specific base stations (4, 6) in the local area network (LAN). Connections to the outside world are made via a gateway computer (1) and public cellular radio network. Inside the office, the coverage areas of the small base stations (4, 6, 8) are nanocells (4a) of one or a few rooms. A home or small office user has a similar small base station (14) which is cotified to said local area network via a public communication network (15) and a gateway equipment (13).

15 Claims, 4 Drawing Sheets

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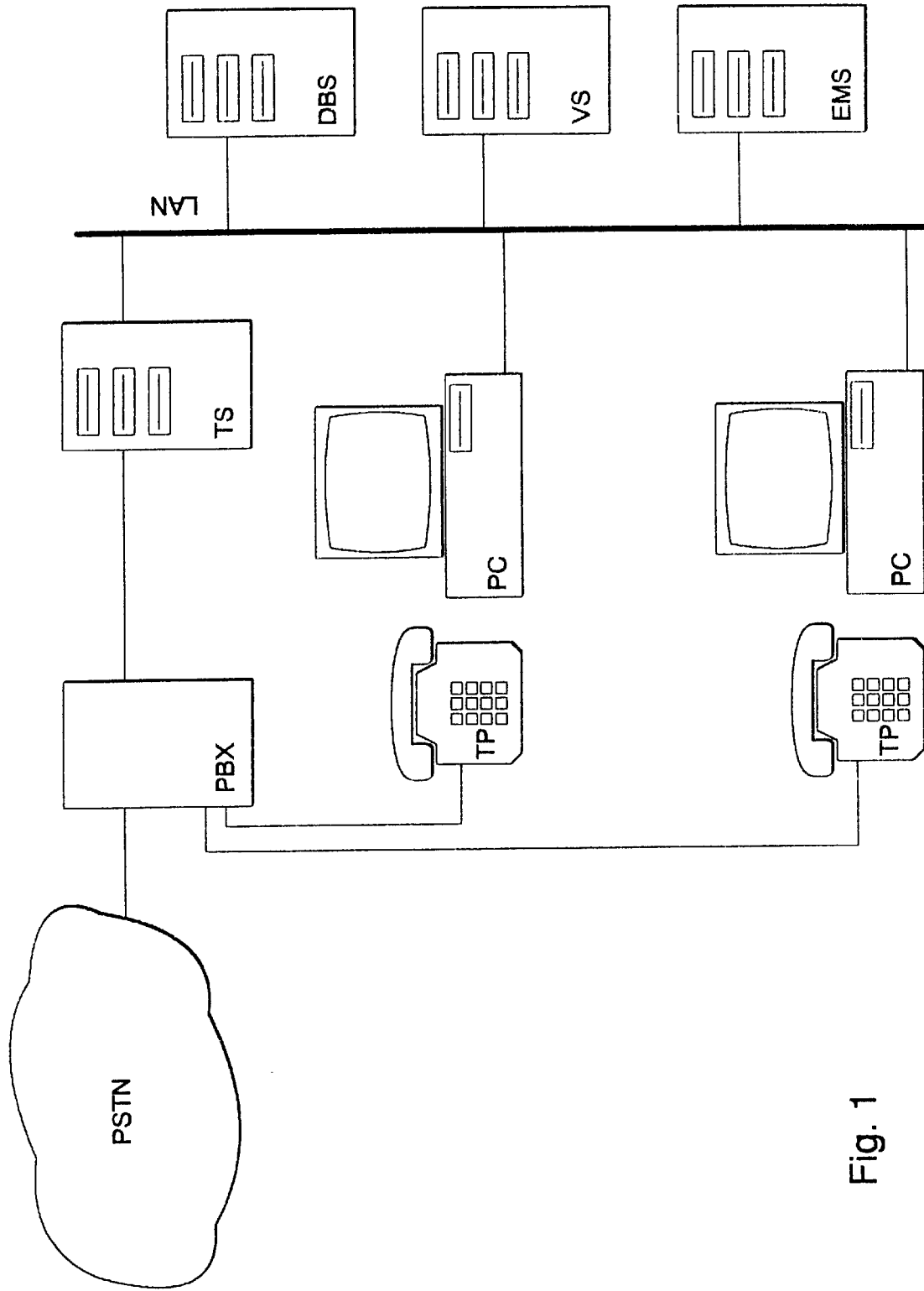


Fig. 1

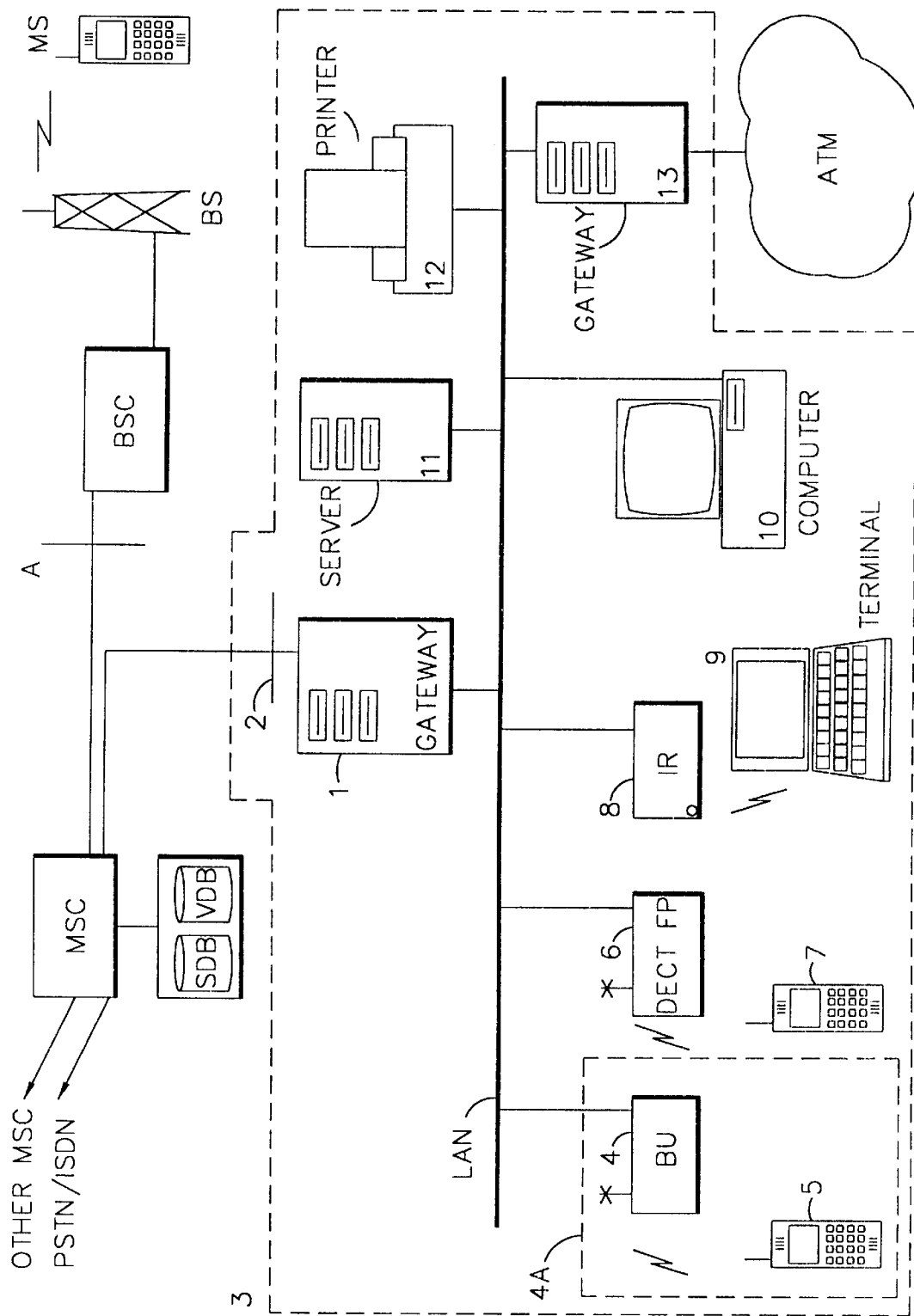


FIG. 2

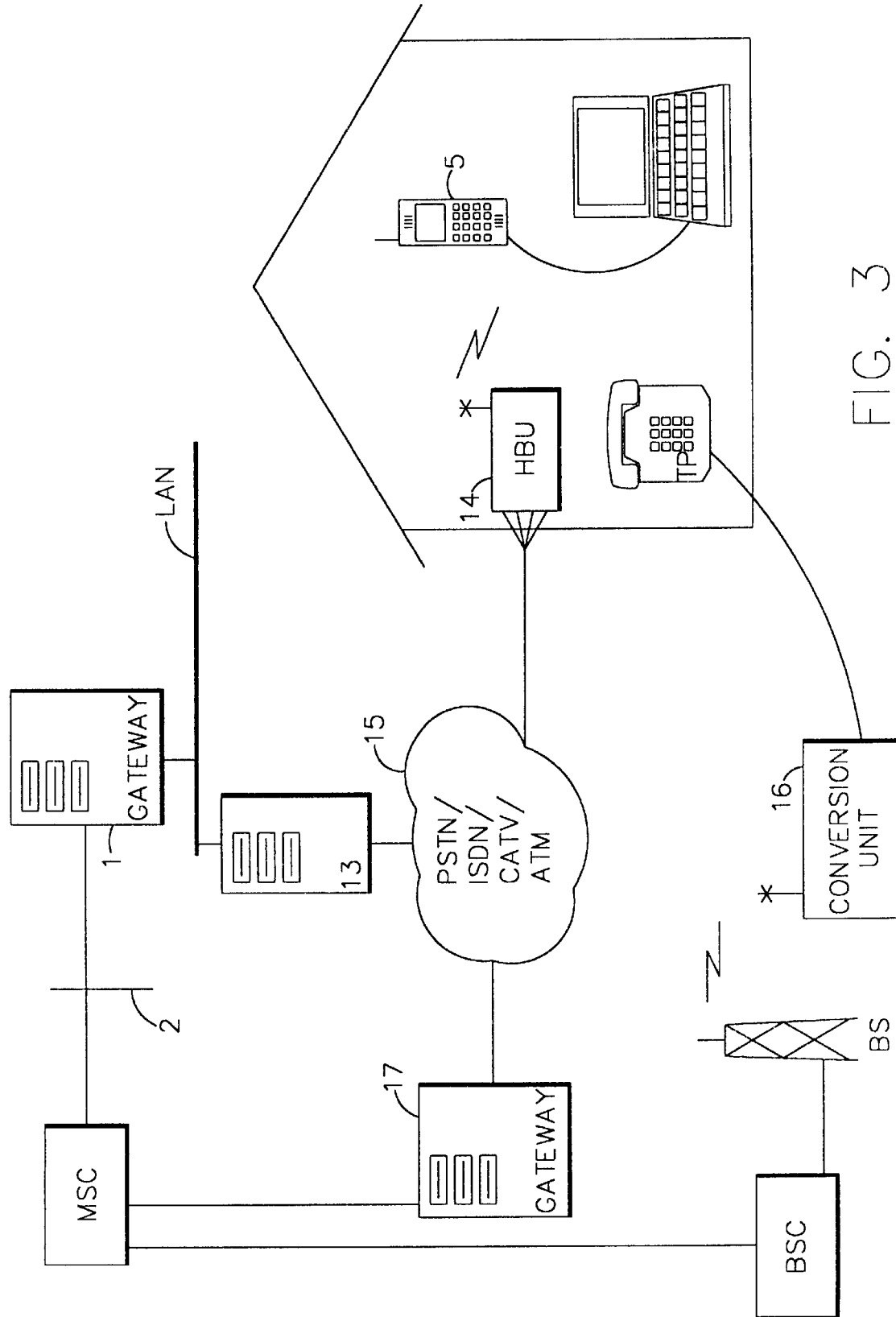
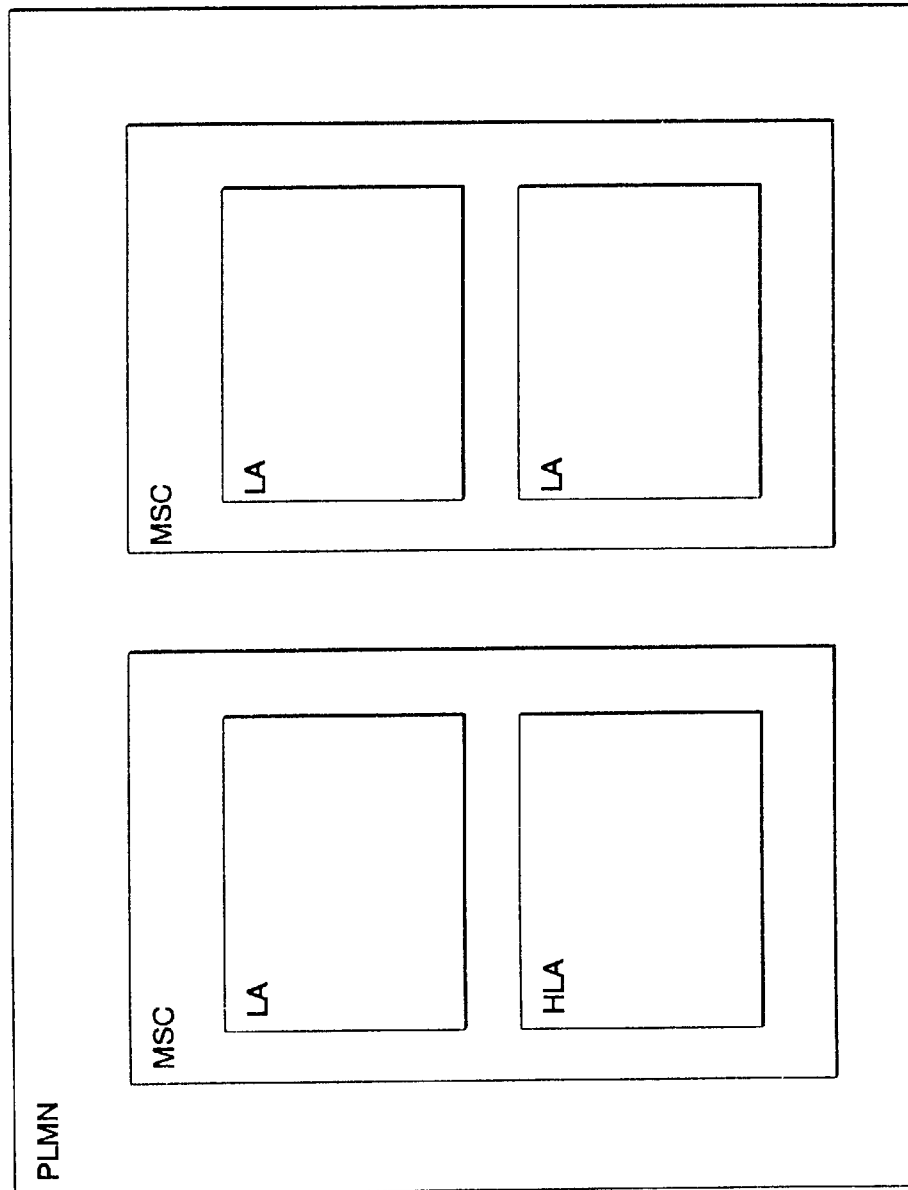


FIG. 3

Fig. 4



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