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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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SAN FRANCISCO, CA 94111

415 394-7500

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July 15, 1992

92-100

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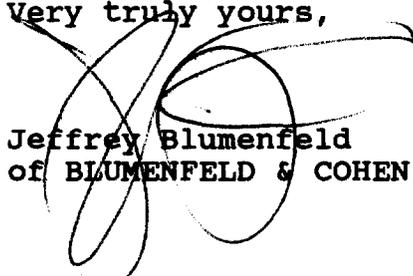
Ms. Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, NW, Room 222  
Washington, DC 20554

Re: Supplemental Material of PageMart, Inc. in Connection  
with Requests for Pioneer's Preferences Regarding  
Petitions for Rulemaking to Allocate 800 MHz in the  
930-931 MHz Band and to Establish Rules and Policies  
for a New Nationwide & Local Personal Information  
Messaging Service, Gen. Docket No. 92-100, PP-40

Dear Ms. Searcy:

Transmitted herewith on behalf of PageMart, Inc.  
("PageMart") are an original and four copies of PageMart's Motion  
for Leave to File Supplemental Material and Supplemental Material  
in the above-referenced proceeding.

Very truly yours,

  
Jeffrey Blumenfeld  
of BLUMENFELD & COHEN

Enclosures

cc: Chairman Alfred C. Sikes  
Commissioner Andrew C. Barrett  
Commissioner Ervin S. Duggan  
Commissioner Sherrie P. Marshall  
Commissioner James H. Quello  
Mr. Thomas P. Stanley  
Mr. Robert Pepper  
Mr. David Siddall

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JUL 16 1992

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C.

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

In the Matter of the Request )  
of PageMart, Inc. for a Pioneer's )  
Preference Regarding its Petition )  
for Rulemaking to Allocate )  
800 MHz in the 930-931 MHz Band )  
and to Establish Rules and )  
Policies for a New Nationwide & )  
Local Personal Information )  
Messaging Service )

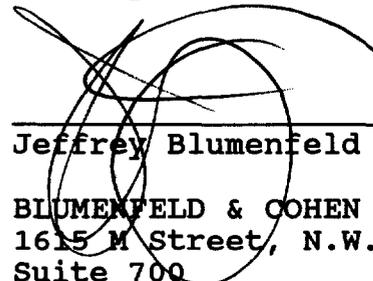
Gen. Docket No. 92-100  
PP-40

MOTION FOR LEAVE TO FILE SUPPLEMENTAL MATERIAL

PageMart, Inc. ("PageMart"), through its undersigned attorneys, respectfully requests that the Commission accept PageMart's attached Supplemental Material, specifically a letter from Motorola, Inc. ("Motorola") to Mr. Roger D. Linguist, Chairman of PageMart. This letter is relevant and material in light of recent challenges by other parties to this proceeding to the technical feasibility of PageMart's proposal. Instead, as the letter states, "[a]ll of the network equipment technology is essentially available today," and further, as to the PCMCIA-based subscriber receiver/transmitter unit, "[w]e believe such a 'pager card' to be feasible."

Respectfully submitted,

By:

  
Jeffrey Blumenfeld

BLUMENFELD & COHEN  
1615 M Street, N.W.  
Suite 700  
Washington, D.C. 20036  
(202) 955-6300  
Attorneys for PageMart



**MOTOROLA INC.**

July 13, 1992

Mr. Roger D. Linqvist, Chairman  
PageMart, Inc.  
6688 North Central Expressway  
Suite 900  
Dallas, Texas 75206

Subject: Personal Information Messaging Service (PIMS)

Dear Mr. Linqvist:

We have had an opportunity to review the PIMS system design and have concluded that Motorola could develop and manufacture both the network equipment and the subscriber receiver/transmitter unit using a combination of existing and emerging technologies. The system elements utilized in the design would require a base station unit containing multiple transmitters for the forward link; a base station unit containing multiple receivers for the return link; a trunking control unit; and a subscriber unit containing a receiver and transmitter. All of the network equipment technology is essentially available today; however, additional development will be necessary to ensure against receiver desensitization, in harsh RF site locations. The subscriber receiver/transmitter unit will require further development if it is to use the PCMCIA card package. We believe such a "pager card" to be feasible.

Network controlled frequency agility

Our current Synthesized Bravo Plus pager can switch frequencies in response to over the air commands from the paging terminal. Your proposed subscriber unit might require additional functionality which will be extensions of the technology.

Return Link transmitter

Achieving the required transmitter performance using pager battery systems and pager antennas represents a substantial technological challenge. The subscriber unit design may be simplified if the pager card has access to the host portable computer battery power in order to have a sustained transmit capability even at the hundred milliwatt level. The "pager card" will probably need an external attachment to the PCMCIA card package in order to accommodate a more efficient antenna.

Enhanced Digital Modulation

The high speed coding techniques available to achieve 4,800 bps or ERMES data rate of 6,250 bps are achievable and suitable to the subscriber transceiver unit. Various pager manufacturers are currently developing ERMES supporting technology.

In summary, we believe that a "pager card" can be developed to meet requirements with reasonable cost and size assuming transmitter power can be sourced from the host portable computer, and a more efficient, external antenna is used. We look forward to continuing the development of your proposal.

Regards,

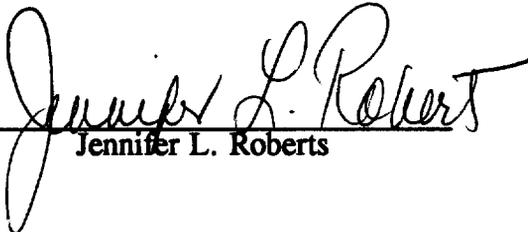
A handwritten signature in cursive script that reads "Fernando Gomez".

Fernando Gomez  
Director, Paging Products Operation  
Motorola, Inc.

c: Jerry Leonard

## CERTIFICATE OF SERVICE

I, Jennifer L. Roberts, do hereby certify on this 15th day of July, 1992,  
that I have served a copy of the foregoing document via first class mail, postage prepaid,  
or via hand delivery to the parties on the service list below.

  
Jennifer L. Roberts

Thomas P. Stanley \*  
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**\* hand delivered**