

05-06-1999



Dear Sir,

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09/298282
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Enclosed for recordation in the records of the US Patent and Trademark Office is AN ORIGINAL document with particulars as follows:

1) Name of conveying party:

Muhammed Ibrahim Sezan Regis J. Crinon

2) Name and address of receiving party:

Sharp Laboratories of America, Incorporated
5750 NW Pacific Rim Blvd.
Camas, WA 98607

3) The nature of the conveyance is AN ASSIGNMENT, which was executed on April 22, 1999.

4) This document is being filed with a new patent application, for which the execution data of the application is April 22, 1999.

5) Any and all correspondence concerning this document should be addressed and mailed to the following:

Julie L. Reed, Esq.
Sharp Laboratories of America, Incorporated
5750 NW Pacific Rim Blvd.
Camas, WA 98607
(360) 817-7651

6) The total number of patent applications involved in this conveyance is: 1.

7) Please charge any fees and credit any overcharges to Deposit Account 50-0803.

8) To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,

Julie L. Reed
Reg. No. 35,349
Sharp Laboratories of America, Incorporated
5750 NW Pacific Rim Blvd.
Camas, WA 98607

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(40.00 CH)

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or each of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

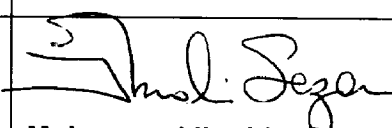
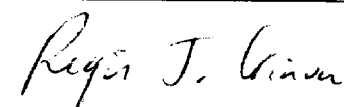
WHEREAS, SHARP LABORATORIES OF AMERICA INCORPORATED, a corporation organized and existing under the laws of the State of Washington, with a place of business at 5750 NW Pacific Rim Blvd., Camas, WA, 98607, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said SHARP LABORATORIES OF AMERICA INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said SHARP LABORATORIES OF AMERICA INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to SHARP LABORATORIES OF AMERICA INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said SHARP LABORATORIES OF AMERICA INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said SHARP LABORATORIES OF AMERICA INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	DTV DATA SERVICE APPLICATION AND RECEIVER MECHANISM		
SIGNATURE OF INVENTOR AND NAME	 Muhammed Ibrahim Sezan	 Regis J. Crinon	
DATE	April 22 / 99	April 22, 1999	
RESIDENCE (City, County, State)	Camas, Clark, WA	Camas, Clark, WA	
DATE APPLICATION EXECUTED	April 22 / 99	April 22, 1999	

After recording, return Assignment to:

Julie L. Reed, Esq.
SHARP LABORATORIES OF AMERICA Incorporated
5750 NW Pacific Rim Blvd.
Camas, WA 98607