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A S S I G N M E N T

WHEREAS, ~~I~~ (we), Ali R. Safabakhsh and John J. Kilgarriff

have invented certain new and useful improvements in a CONTACTLESS BONDING TOOL
HEATER
for which ~~I~~ (we are) about to make application for Letters Patent of the
United States of America;

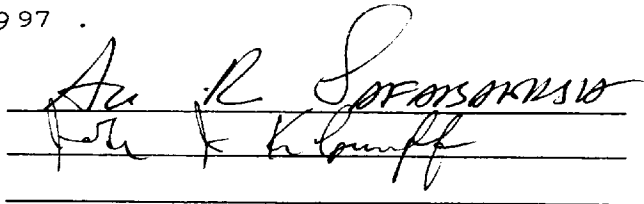
WHEREAS, QUAD SYSTEMS CORPORATION, a corporation duly organized under
the laws of the State of Delaware, and having an office and place of doing
business at 2504 Maryland Road; Willow Grove, PA 19090-1710 is desirous of
acquiring an interest therein.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and
other good and valuable consideration, the receipt of which is hereby
acknowledged, and intending to be legally bound hereby, ~~I~~ (we)

hereby agree to assign, sell, transfer and convey, and by these presents to
assign, sell, transfer and convey unto the said QUAD SYSTEMS CORPORATION
for the territory of the United States and for all foreign countries, ~~we~~ (our)
entire right, title and interest in and to said invention, as described in the
application executed concurrently herewith, preparatory to obtaining Letters
Patent of the United States therefor, for its own use and behoof, and for its
legal representatives and assigns to the full end of the term for which said
Letters Patent may be granted, as fully and entirely as the same would have
been held by ~~we~~ (us) had this assignment and sale not been made; and for the
aforesaid consideration ~~I~~ (we) hereby covenant, agree and undertake to
execute, whenever requested by the said QUAD SYSTEMS CORPORATION
patent applications, lawful oaths and any other papers which may be deemed
necessary or desirable for securing to or for maintaining for said
QUAD SYSTEMS CORPORATION, all the Letters Patent hereby assigned or
agreed to be assigned.

And ~~I~~ (We) hereby authorize John B. Sowell, Attorney, (Registration No.
19151), 182 Midfield Road., Ardmore, Pennsylvania, 19003, my attorney, to insert
on his assignment and deed the filing date and serial number of said
application when known.

Executed this 9th day of May , 1997 .



STATE OF PENNSYLVANIA)
COUNTY OF MONTGOMERY) ss:

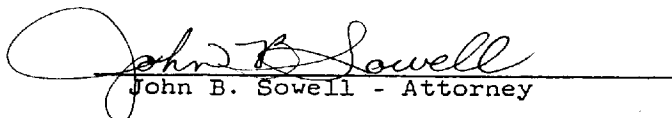
Before me personally appeared Ali R. Safabakhsh and John J. Kilgarriff

and acknowledged the foregoing instrument to be his (their) free act and deed
this 9th day of May , 1997 .

SEAL

Notary Public

The above Assignment covers patent application Serial Number 08/853,877
filed 9 May 1997 , and originally assigned to Group A.U. 1722
in the United States Patent Office.


John B. Sowell - Attorney