

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 8,048,032 B2
APPLICATION NO. : 11/416629
DATED : November 1, 2011
INVENTOR(S) : Root et al.

Page 1 of 1

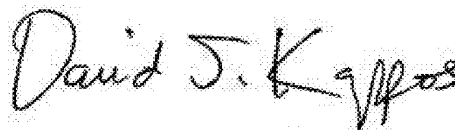
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page:

The first or sole Notice should read --

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b)
by 444 days.

Signed and Sealed this
Thirty-first Day of January, 2012



David J. Kappos
Director of the United States Patent and Trademark Office