

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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FUJITSU NETWORK COMMUNICATIONS, INC.  
Petitioner

v.

THOMAS SWAN & CO. LTD.  
Patent Owner

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*Inter Partes* Review Case No. Unassigned

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**DECLARATION OF LOUISE CLARKE**

I, LOUISE CLARKE, declare as follows:

I am over the age of eighteen (18) years of age and competent to make this declaration.

I am Deputy Superintendent of the Manuscripts Reading Room at Cambridge University Library (“CUL”). I began working at CUL as a book

I have been asked whether I could verify the dates on which the following four theses specified below were added to the CUL catalogue for the public to access.

- Tan, Kim Leong, Dynamic Holography Using Ferroelectric Liquid Crystal on Silicon Spatial Light Modulators (February 1999) (“Tan Thesis”)
- Parker, Michael Charles, Dynamic Holograms for Wavelength Division Multiplexing (November 1996) (“Parker Thesis”)
- Warr, Stephen Thomas, Free-Space Switching for Optical Fibre Networks (July 1996) (“Warr Thesis”)
- Cohen, Adam David, Spatial Light Modulator Technologies for WDM (April 1998) (“Cohen Thesis”)

(together, “the Theses”).

I reviewed the catalogue entries for each of the Theses and was able to see that the Theses were approved by the Board of Graduate Studies on the following respective dates:

- Warr Thesis – 10 December 1996 (author/title published in the Cambridge University Reporter on Wednesday 15 January 1997)
- Cohen Thesis – 24 July 1998 (author/title published in the Cambridge University Reporter on Wednesday 5 August 1998)

The Theses were added to the CUL catalogue prior to the update of the CUL catalogue to the Voyager Library Management System in 2002.

Prior to 2002, the CUL catalogue was maintained in an in-house database. Because I was responsible for adding theses to the CUL catalogue since September 2001, I personally used the in-house database and am familiar with how theses were added to the CUL catalogue in the course of regularly conducted activity of CUL's business using that system, which was in place from the 1990s until the implementation of the Voyager Library Management System in 2002.

During that time period, it was common and regular practice for a thesis to be added to the CUL catalogue approximately one month after the date on which the thesis was approved by the Board of Graduate Studies. In accordance with the common practice during this time period, the Board of Graduate Studies would

were indexed and records of these theses could be located by electronically searching the CUL catalogue. Upon being added to the CUL catalogue, theses themselves were shelved in CUL and made freely available to the general public.

Based on my personal knowledge and experience, and because these are standard records of CUL's regularly conducted activity, it is my true and reasonable belief that each of the Theses would have been added to the CUL catalogue for the public to access approximately one month from the above respective dates on which each of the Theses was approved by the Board of Graduate Studies.

Moreover, I am highly confident that the Theses were added to the CUL catalogue and records of the Theses were available for the public to access using the CUL catalogue in the in-house database by no later than six months from the above respective dates on which each of the Theses was approved by the Board of Graduate Studies.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.