IN THE HIGH COURT OF JUSTICE   Claim No: IL-2021-000019

BUSINESS AND PROPERTY COURTS OF ENGLAND & WALES

INTELLECTUAL PROPERTY LIST (ChD)

B E T W E E N :

<div align="center">

CRYPTO OPEN PATENT ALLIANCE   **Claimant**

-and-

DR CRAIG STEVEN WRIGHT

Defendant

</div>

<div align="center">

WITNESS STATEMENT OF

PROFESSOR JOHN MACFARLANE

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I, PROFESSOR JOHN MACFARLANE, of ███████████████████████████████████ ██████ will say as follows -

1. I am a professor of Philosophy and a member of the Group in Logic and the Methodology of Science. My research interests include the philosophy of logic and language, among other interests. I enjoy making my own tools, one of which is pandoc.

2. This statement has been prepared by Bird & Bird following an exchange by email, though I am told by Bird & Bird that our exchanges are considered privileged. This statement uses my own words and sets out facts and matters that are within my own knowledge unless otherwise stated: Where I refer to facts within my own knowledge, I believe them to be true. Where I refer to information from other sources, I have identified my sources and the information it is true to the best of my knowledge and belief.

3. Pandoc is a universal document converter which is widely used to convert documents between different formats. It can be used to convert documents automatically between around 50 different formats including Microsoft Word, LaTeX, PDF, eBook formats and others. Some more information about pandoc is given in Exhibits JM1 (the Pandoc Wikipedia page) and Exhibit JM2 (the pandoc.org about page).

4. Bird & Bird contacted me, providing me with the preamble of a LaTeX document. I understand that I was contacted because the document mentions pandoc. I was asked whether I thought the argument was produced by pandoc, and if so whether it could have been produced in the period 2006-2007. The text I was provided is set out in Exhibit JM3 marked "Preamble to ID_004687".

5. My first answer is that the text looks like output from pandoc. To be precise, it looks like the preamble from pandoc's default LaTeX template. It is extremely unlikely that a LaTeX document produced by another source would contain this precise sequence of lines, or the line "pdfcreator={LaTeX via pandoc}." The first public

release of pandoc was in August 2006. Templates were only added to pandoc in 2010, and the first line of Exhibit JM3 (marked as line number 2 in the exhibit) was only added to the default LaTeX template in 2017. On these grounds I am confident that this LaTeX document was produced by pandoc much later than 2006.

6. I cannot say anything on these grounds about the date of the source document (possibly in some other format) that was converted to LaTeX using pandoc. I can only be confident about the dating of the LaTeX file I was shown.

7. I told Bird & Bird it would be possible to determine a more precise date of the version of the template used by downloading various versions of pandoc from our GitHub releases page at https://github.com/jgm/pandoc/releases and using the command `echo "" | pandoc -t latex -s -o output.tex`, then comparing the beginning of output.tex to the beginning of the file shown in Exhibit JM3.

8. I understand Bird & Bird did so and responded by directing my attention to the following two source commits,

    a. first, from March 2022, the following commit that I made titled "*LaTeX template: Move urlstyle and xurl commands to after hyperref.*" [**Exhibit JM4**]:
        https://github.com/jgm/pandoc/commit/9053214fba2b4be05102f2f46157733e63947f92#diff-64a9e5fa4509dce2699276c9e39993b4474e2446c3e86941a2f78a379f8c4079

    b. and second, from October 2022 (which was authored by someone else and which I applied), titled "*latex template: set fonts after Beamer theme*", [**Exhibit JM5**]:
        https://github.com/jgm/pandoc/commit/644c9841696263bcb8118538fa0f3fae9e5e89fb#diff-64a9e5fa4509dce2699276c9e39993b4474e2446c3e86941a2f78a379f8c4079

9. I agree that these appear to be relevant commits. The text of Exhibit JM3 contains the text of my March 2022 commit, but not the October 2022 commit. Therefore it appears to be taken from a version of the pandoc LaTeX template that was current between March 2022 to October 2022.

10. I also observed that the LaTeX code in Exhibit JM3 uses the 'bookmark' package, which according to its documentation (https://mirrors.mit.edu/CTAN/macros/latex/contrib/bookmark/bookmark.pdf) was not released until 2007.
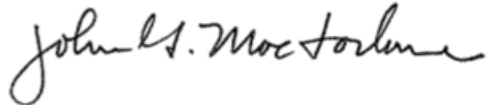
DECLARATION

I understand that the purpose of this witness statement is to set out matters of fact of which I have personal knowledge. I understand that it is not my function to argue the case, either generally or on particular points, or to take the court through the documents in the case. This witness statement sets out only my personal knowledge and recollection, in my own words.

On points that I understand to be important in the case, I have stated honestly (a) how well I recall matters and (b) whether my memory has been refreshed by considering documents, if so how and when.

I have not been asked or encouraged by anyone to include in this statement anything that is not my own account, to the best of my ability and recollection, of events I witnessed or matters of which I have personal knowledge.   I believe the facts stated in this statement are true. I understand that proceedings for contempt of court may be brought against anyone who makes, or causes to be made, a false statement in a document verified by a statement of truth without an honest belief in its truth.

SIGNED: DATED: 22 NOVEMBER 2023