UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG DISPLAY CO., LTD., Petitioner

v.

SOLAS OLED, LTD., Patent Owner

Case IPR2020-00320 Patent No. 7.446,338

PATENT OWNER RESPONSE



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PATENT OWNER'S EXHIBIT LIST

Ex.	Description
2001	United States Patent Application Publication 2004/0256617 A1
2002	Defendants' Responsive Claim Construction Brief
2003	Defendants' Claim Construction Presentation
2004	Solas's Notice of Agreement on Previously Disputed Claim Construction Terms
2005	Declaration of Richard A. Flasck
2006	Curriculum Vitae of Richard A. Flasck
2007	Transcript of Deposition of Dr. Adam Fontecchio on September 11, 2020
2008	The New Oxford American Dictionary (2d ed. 2005)



I. Introduction

On Ground 1, Samsung's Reply only further exposes the fact that Samsung has failed to show a plurality of interconnections "formed to project from" a surface of the transistor array substrate." In its first ground, Samsung relies solely on Kobayashi to satisfy this express claim requirement and all of 1[b], for that matter. But even a cursory glance at Kobayashi shows that Samsung's theories must fail. That is because, whatever spatial relationships Kobayashi's supposed interconnections have with the surface of the transistor array substrate, they demonstrably do not "project from" that surface. This claim requirement—"project from" has a meaning -Each word must means something. The element is not "formed to project upward, from a surface" or formed away from a surface" or "formed to project with respect to a surface" or something as broad as (d) above...". Instead, it is formed "to project from a surface."

This is where Samsung's problems become insurmountable, because its theories rest on an interpretation that is several steps broader and more dissimilar to the actual claim requirement than either (a) - (c) above. As Samsung's expert admitted during deposition, to make Kobayashi satisfy the claim requirements, Samsung misinterpreted the actually claimed phrase, formed to "project from a surface" to merely require that the interconnections are (d) formed anywhere "above" a surface:



That is not the only fatal problem under Ground 1. Applying the parties' agreed construction, Samsung's Reply makes at least Samsung's failure to show the (i) "arrayed along" claim requirement abundantly clear. Samsung admits that 117 is not coplanar with 118. Indeed, 117 and 118 do not share any overlapping layers in the formation of the entire package. Reply at 20

Samsung's Ground 2 fares no better. Childs does not satisfy the "Lower" electrodes (green) are not "on the surface" of the transistor array substrate (orange). (Id.) Instead, large portions of the pixel electrodes are buried under and in the alleged substrate. (Id.) One look at the patent specification proves this beyond reasonable debate. While Samsung expressly relies in Figure 2, the reference makes clear that the lower electrode 21 is not on any surface of the substrate. Just the opposite is true. Childs clearly explains that The "Figures 2 and 3 illustrate a LED construction in which the lower electrode 21 is formed as a thin film in the circuit substrate 100. Indeed, it then states that "the subsequently-deposited organic semiconductor material 22 contacts this thin-film electrode layer 21 at a window 12a in a planar insulating layer 12 (for example

And again, as with Ground 1, even if not in the same plane or layer, the separate "arrayed along" requirement must imply being adjacent to one another and some overlap in at least one of the interconnections. And in sharp contrast to the



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