

# Exhibit 7

# U.S. Patent No. 7,588,828

"1. A nanoparticle comprising:"

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The Samsung Q60R QLED TV is an exemplary LED TV (the "Samsung TV") that



For example, the Samsung TV includes quantum dots (the "Samsung Quantum Dot

<sup>1</sup> Upon information and belief, all Samsung QLED and QD-OLED TVs listed in Exhibit 6 include the same Quantum Dots. For example, Samsung Blue LED and layer of Quantum Dots in a Quantum Dot Layer.

See e.g., "Environmentally Friendly Quantum Dots for Display Applications," Eunjoo Jang (SAIT, Samsung Electronics), Quantum Dot Forum 2011, 11, 16.

see also e.g., <https://www.techradar.com/news/samsung-qled-samsungs-latest-television-acronym-explained>;

see also e.g., <https://www.samsung.com/global/tv/blog/stained-glass-and-quantum-dot-technology/>;

see also e.g., <https://www.displaydaily.com/article/display-daily/future-of-quantum-dot-display-niche-or-mainstream>;

see also e.g., <https://www.techradar.com/news/samsung-qled-samsungs-latest-television-acronym-explained>.

Samsung's QD-OLED TV displays operate in substantially the same way in that they are comprised of a Blue OLED and Quantum Dot layer.

"1. A nanoparticle comprising:"

## Q60R Key Features



### 100% Color Volume

Over a billion shades of brilliant color—powered by Quantum Dots<sup>1</sup>—deliver our most realistic picture.



### Quantum Processor 4K

An intelligently powered processor that upscales content for sharp detail and refined color.



### Ambient Mode™

Complements your space by turning a blank screen into enticing visuals or at-a-glance news.<sup>2</sup>

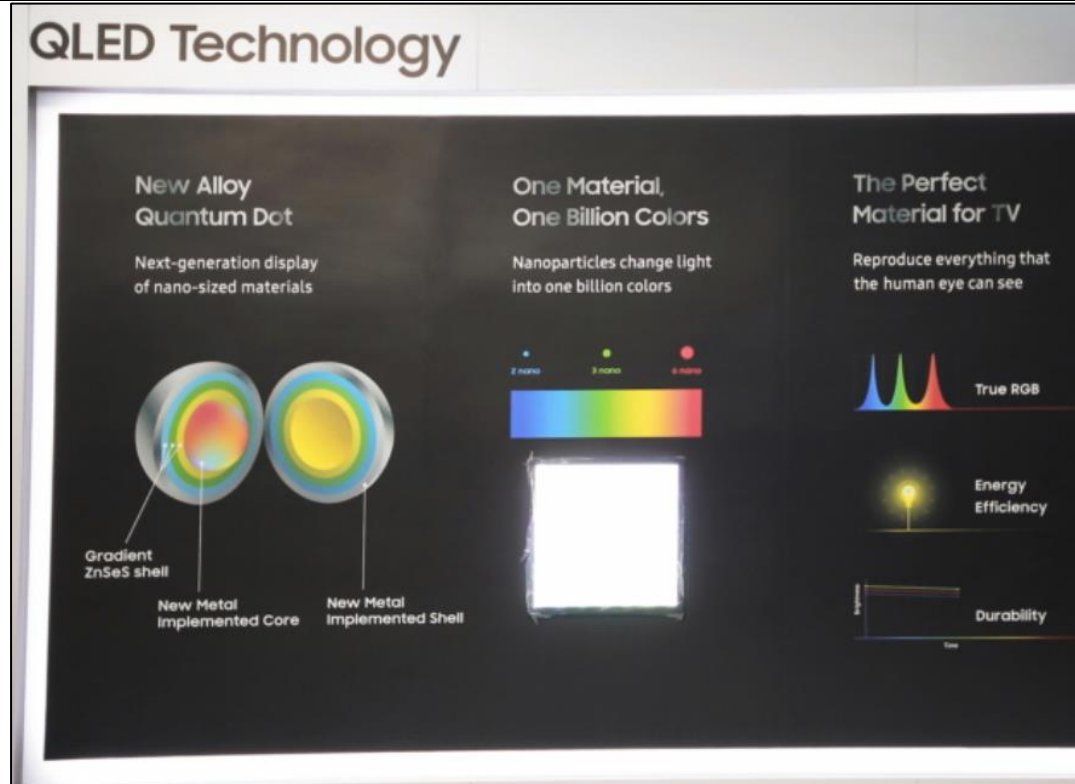
See e.g., <https://www.samsung.com/us/televisions-home-theater/tvs/qled-4k-tvs/43-tv-2019-qn43q60rafxza/>.

### Quantum Dots

QLED displays true colors (over a billion shades to be exact), even in the brightest scenes with 100% Color Volume.<sup>1</sup> When you're watching survival shows that take place on secluded beaches or nature documentaries that explore every corner of the planet, you'll experience rich cinematic views that will make you feel like you're there.

See e.g., <https://www.samsung.com/us/televisions-home-theater/tvs/qled-tv/technology>

The Samsung Quantum Dots used in the Samsung TV are nanoparticles.



See e.g., <https://news.samsung.com/global/how-qled-achieves-excellence-in-picture>  
See also e.g., <https://www.hitechcentury.com/samsungs-next-gen-qled-tv-showcase>

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