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Aesthetic Dielectric Antenna and Method of Discretely
Emitting Radiation Pattern Using Same
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Aesthetic Dielectric Antenna and Method of Discretely Emitting Radiation Pattern Using Same

- A trend of concealing antennas from the sight of people by aesthetic object
- Dielectric Resonator Antennas (DRAs) purely made of dielectric materials without conductor loss and more suitable for millimeter-wave communication



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<http://www.ee.cityu.edu.hk/~eeikleung/research.html>

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Advantages:

- The DRAs can be camouflaged in an aesthetic way to minimize the public outcry about the antenna setup.
- It can be made theoretically in different sizes and a flexible shape with aesthetic artworks
- It operates with lesser power loss, particularly for millimeter-wave communication systems

Applications:

- Front-hood medallion of a vehicle as an antenna
- Decoration artworks inside and outside buildings or any infra-structures



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