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## Patent Search

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#### Abstract:

ANALYSIS OF POTENTIAL HEALTH AND ENVIRONMENTAL RISKS ASSOCIATED WITH 6G WIRELESS COMMUNICATION NETWORKS Abstract: 5G technology development completion, and 5G networks are already being implemented. Nevertheless, academic, development, and commercial organisations are already conducting research 6G wireless networks. Previously, it was assumed that 5G technology may facilitate the Internet of Everything (IoE). As these cellular networks are utilised, however, n disadvantages become evident. Due to the limitations of 5G networks, people throughout the world are keen to learn more about and develop 6G, the next generatio technology. 6G will accommodate a vast array of applications, including autonomous systems and virtual reality. This article presents an overview of the first five gen wireless systems, followed by a look at the 6G wireless network and a discussion of the challenges and requirements that 6G may present. Both sections are presente

#### Complete Specification

##### Description:Descriptions

It is anticipated that the sixth-generation (6G) wireless communication network will cover terrestrial, aerial, and maritime communications. This will result in a more faster network that can support a large number of devices with ultra-low latency requirements. Researchers from all across the world are creating innovative techn concepts. In this article, we will discuss the many components of a 6G network, such as the air interface and the technologies that will likely be used with it. As a res focus on the specific uses of the proposed 6G networks and develop them in numerous ways. In addition, we investigate the key performance indicators (KPI) for th B5G/6G network, as well as the challenges and potential future research opportunities in this field. The authors of this lengthy analysis and review suggest a vision, enabling technologies, four new paradigm shifts, and future research fields for 6G wireless communication networks after highlighting how insufficient 5G wireless communication networks are. 6G wireless communication networks contain all of these elements. Several new performance criteria and use cases for 6G have been proposed, including enhancements to global coverage, spectral/energy/cost efficiency, intelligence level, security, and resilience. Several companies that could bene the implementation of 6G wireless communication networks have also been identified. Examples of such technologies include cloud virtual reality, Internet of Thing industry automation, CV2X, digital twin body area network, energy-efficient wireless network control, and federated learning systems. Long-term, mobile mesh tech will replace traditional wireless network topologies such as base stations (BSs) and access points (APs) in the next generation of wireless networks (mMTC). Coordin multipoint transmission refers to the coordination of numerous base stations or access points to serve one or more endpoints (CoMP). Due to the large amount of that these devices create, they would require incredibly powerful processors and extensive backhauling networks. Backhaul lines may use optical fibre or photonic

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#### Application Details

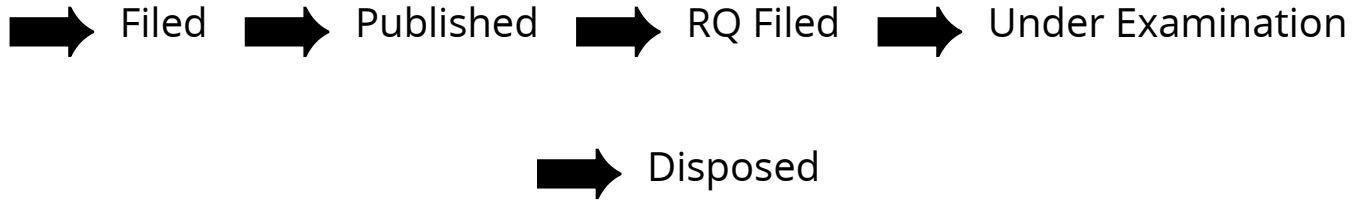
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