(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application:15/11/2021

(21) Application No.202141052319 A

(43) Publication Date: 03/12/2021

(54) Title of the invention: 5G NETWORK ARCHITECTURES TO NEXT-GENERATION TERRESTRIAL BROADCASTING PLATFORM ALIGNED INTERNET

:H04N0021238100, H04H0060070000, H04N0021643000 (51) International classification :NA :NA :NA (86) International Application No (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application :NA :NA

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(57) Abstract:

It is revealed a Next Generation Broadcast Platform (NGBP) that makes use of 5G software-defined networking (SDN) and network function virtualization (NFV) technologies, as well as other technologies. The NGBP is intended to enable a new paradigm for broadcasters, in which the fixed wireless spectrum is pooled together and allocated dynamically to broadcast itensees as well as outside tenants, is enabled. The NGBP is being developed utilizing SDN/NFV technology. It includes a broadcast market exchange (BMX) organization that distributes spectrum amongst tenants by service level agreements (SLAs) with those tenants, among other things. An internet protocol core (IP core) and a broadcast centralized radio access network (BC-RAN) are also included in the NGBP. These networks apply the principal network functions to broadcaster material in line with the BMX's judgments. The deployment of SDN/NFV has numerous notable benefits on the implementation of NGBP using dedicated network hardware.

No. of Pages: 22 No. of Claims: 6