

摘要

隨著全球 3G 行動通訊產業的快速發展，行動通訊服務市場正從傳統的單純語音走向與資料傳輸整合的趨勢，並發展出多種不同型態的通訊服務方式與系統設備，其中所牽涉到的 3G 技術範圍十分廣泛而複雜，其技術標準規格的發展則是由 3G 的技術標準組織所負責制定。本論文研究針對 3G 行動通訊產業進行解析，並探討 3G 行動通訊技術標準組織的運作及功能，並進一步瞭解在 3G 行動通訊技術標準的制定過程中所衍生出來的關鍵性專利問題，此外也特別針對專利聯盟公司 3G Licensing Ltd. 的成立與運作做一說明，以進一步瞭解 3G 產業中專利平台運作的情形，最後並總結對台灣行動通訊產業所可以參考的結論與建議。



Abstract

3G technologies are being deployed to worldwide markets rapidly. The mobile services are converging with voice and data transmission. There are various companies involving in 3G system and terminal business. The relative technologies are complicated and quite broad. The 3G standard organizations are the main bodies responsible for the establishment of 3G technical specifications. This article would describe an overview of 3G industries and 3G standard organizations. It would specify how the 3G standard organizations function and discuss the issues of 3G essential patents. Regarding 3G patent platform, this article would also talk about the history and status of 3G Licensing Ltd. In the last chapter, it would try to summarize the key points as the references for Taiwan mobile industry.