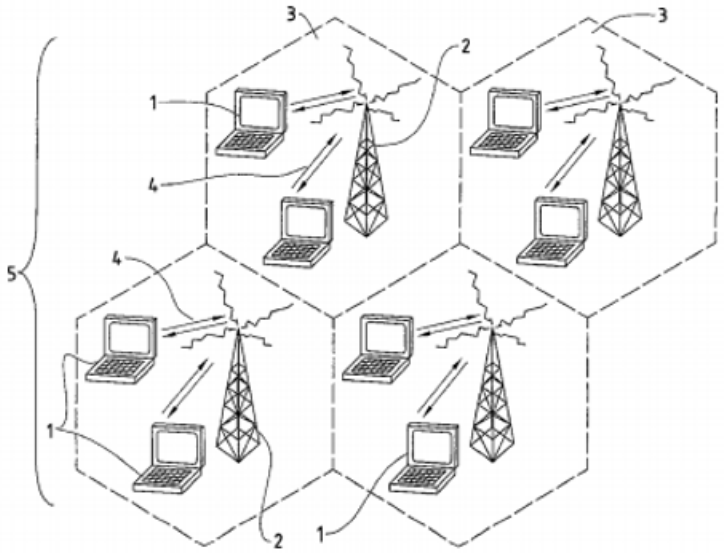
Patente N° WO 2004/075583 A1 (SWISSCOM)

(54) Title: REDUCTION OF ELECTROSMOG IN WIRELESS LOCAL NETWORKS



(57) Abstract: A method and system for reduction of electrosmog in wireless local networks, one or more mobile network units (1) communicating with a base station (2) of a wireless local network (5). After a predefinable time interval without connecting signal, the base station (2) changes over from the normal transmitting-receiving mode into a sleep mode, in which sleep mode no beacon signals and/or other radio frequency signals are transmitted from the base station (2). If a mobile network unit (1) requires a network connection, it transmits an alert signal, and, upon receiving the alert signal of the mobile network unit (1), the base station transmits beacon signals to the mobile network unit (1) and changes over into the normal transmitting-receiving mode.

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Thus it has been possible to show that mobile radio radiation can cause damage to genetic material, in particular in human white blood cells, whereby both the DNA itself is damaged and the number of chromosomes changed. This mutation can consequently lead to increased cancer risk. In particular, it could also be shown that this destruction is not dependent upon temperature increases, i.e. is non-thermal. Based on the scientific studies in the

«Il a donc été possible de montrer que la **radiation des systèmes radio mobiles** pouvait causer des **dommages au matériel génétique**, en particulier aux globules blancs dans le sang humain, pour lesquels **l'ADN pouvait être endommagé** et le nombre de chromosomes changé (**aneuploïdie**). Cette **mutation** peut donc, en conséquence, amener un **risque accru de cancer**».