

11 Transistor and integrated circuit

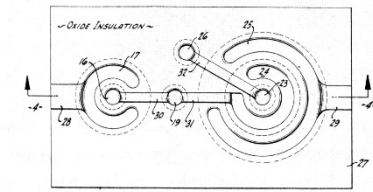
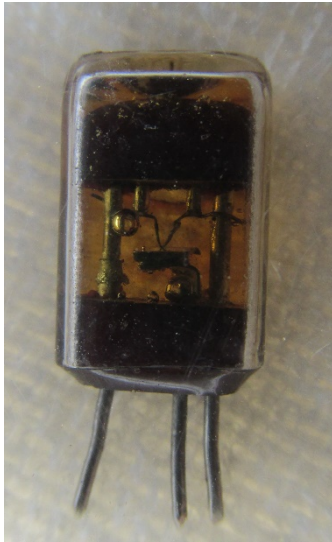


FIG-3

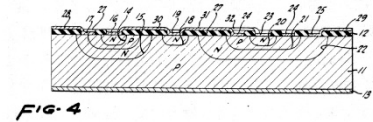


FIG-4

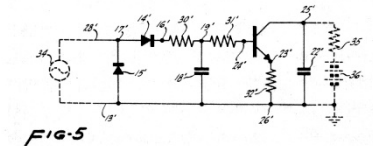
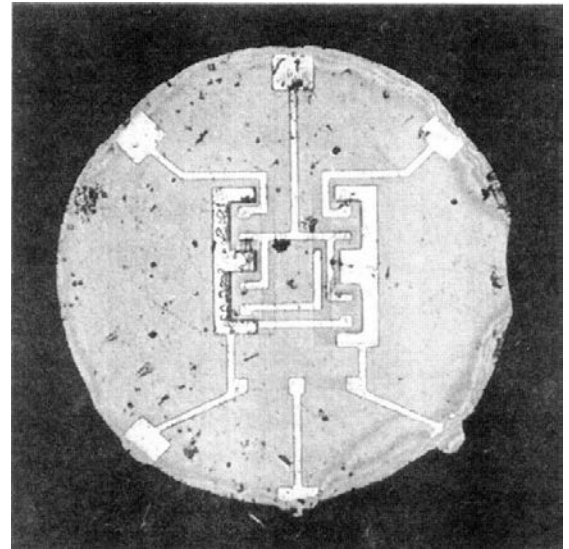
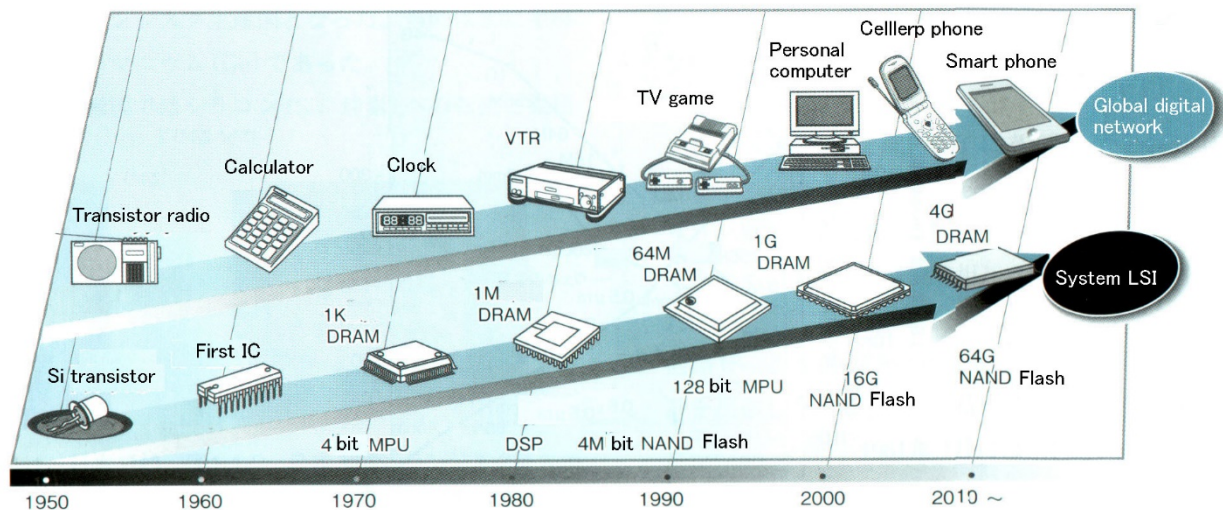


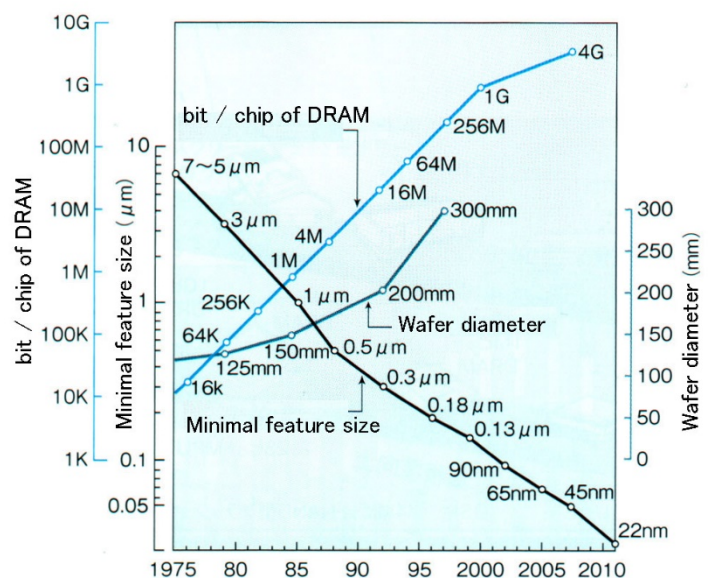
FIG-5



Point contact transistor (1947 Bell Lab.) Planer integrated circuit (1959 Fairchild)
(Made in Western Electric)



Trend of integrated circuit and home electronics



Development of integrated circuit

(Semiconductor IC Guide Book 2, JEIDA (ed), Industry times (2012))