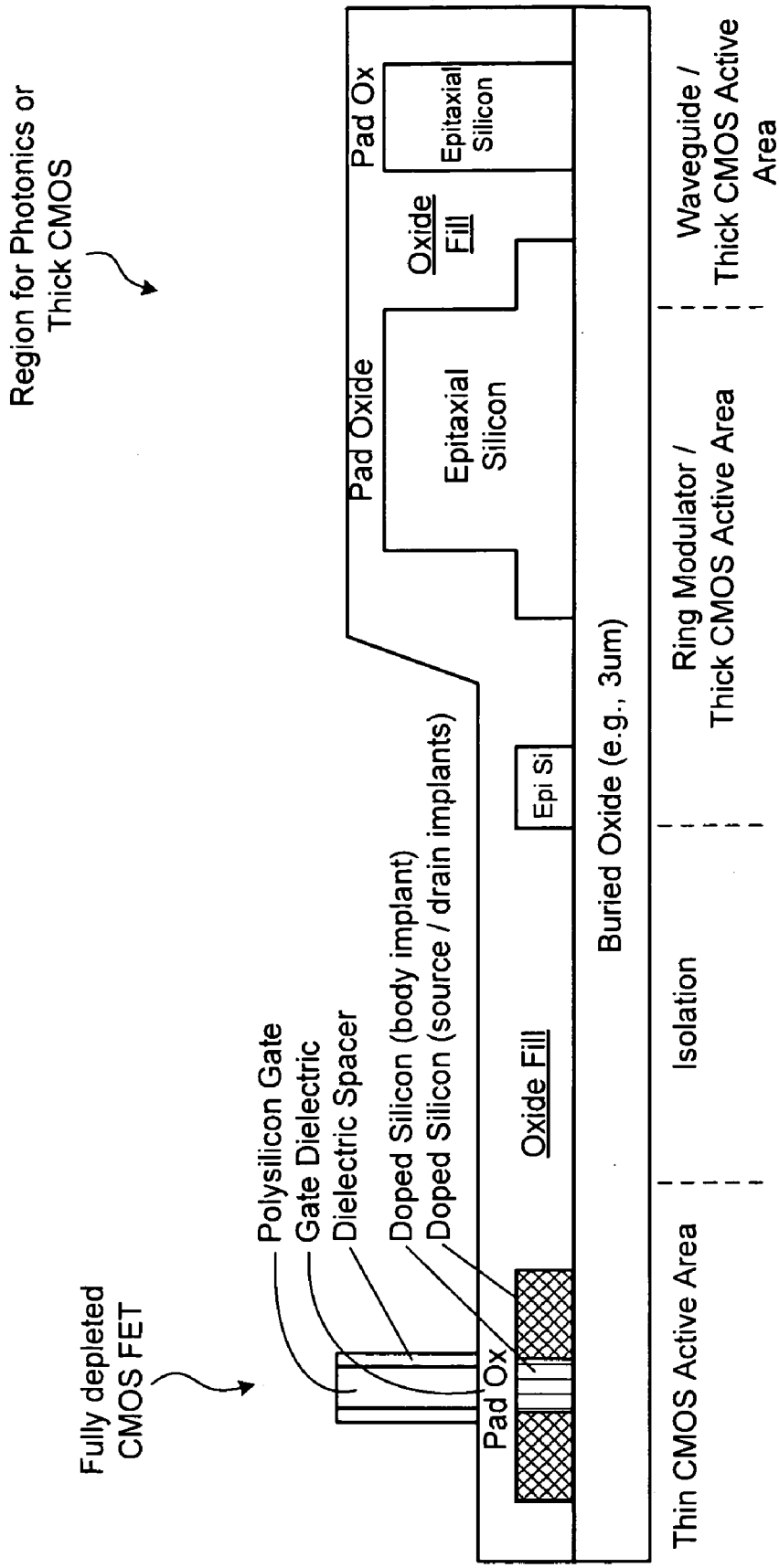
Region for Photonics or Thick CMOS
Fully depleted CMOS FET
Polysilicon Gate
Gate Dielectric
Dielectric Spacer
Doped Silicon (body implant)
Doped Silicon (source / drain implants)
Pad Ox
Pad Oxide
Epitaxial Silicon
Oxide Fill
Epi Si
Oxide Fill
Epitaxial Silicon
Pad Ox
Buried Oxide (e.g., 3um)
Thin CMOS Active Area
Isolation
Ring Modulator / Thick CMOS Active Area
Waveguide / Thick CMOS Active Area

Fig. 14