

a 2006 0236

The invention relates to a process for obtaining a photosensitive composite that may be used for manufacture of optical sensors, optical image or holographic information carriers.

The process for obtaining photosensitive composite from amorphous chalcogenide semiconductor and organic polymer includes mixing of  $As_2S_3$  or  $As_2Se_3$  solution in monoethanolamine with the methanol solution of poly-N-vinylpyrrolidone and homogenization of the obtained mixture at the temperature of 20...40°C. The mixture is deposited onto the support and dried in the thermostat, at the temperature of 40...50°C, during 5...6 hours, and then in vacuum during 3...4 hours, with obtaining of a composite having the following component ratio, mass %:

chalcogenide semiconductor	10,0...87,0
organic polymer	the rest.

Claims: 1

Fig.: 3