

PROCESS FOR THE CONTROL OF THE SURFACE ENERGY OF A SUBSTRATE

Abstract

- 5 The invention relates to a process for controlling the surface energy of a substrate in order to make it possible to obtain a specific orientation of the nanodomains of a film of block copolymer subsequently deposited on the said surface, the said process being characterized in that it comprises the following stages:
- 10 - preparing a blend of copolymers, each copolymer comprising at least one functional group which allows it to be grafted to or crosslinked on the surface of the said substrate,
- depositing the said blend thus prepared on the surface of the said substrate,
- 15 - carrying out a treatment which results in the grafting to the surface of the substrate or the crosslinking on the surface of the substrate of each of the copolymers of the blend.

[No Suitable Figure]