

Mirror and lithographic apparatus with mirror

Abstract

The invention is relates to a mirror, having a mirroring surface, wherein the mirroring surface comprises one or more protrusions comprising a material selected from at least one of Be, B, C, P, S, K, Ca, Sc, Br, Rb, Sr, Y, Zr, Nb, Mo, Ba, La, Ce, Pr, Pa and U, or wherein the mirroring surface comprises one or more first protrusions comprising a first material selected from at least one of Be, B, C, P, S, K, Ca, Sc, Br, Rb, Sr, Y, Zr, Nb, Mo, Ba, La, Ce, Pr, Pa and U, and one or more second protrusions comprising a second material selected from at least one of Be, B, C, Si, P, S, K, Ca, Sc, Br, Rb, Sr, Y, Zr, Nb, Mo, Ba, La, Ce, Pr, Pa and U, and wherein the first and second materials are not the same. The invention is further related to a lithographic projection apparatus comprising such mirrors. The invention also relates to a device manufacturing method using such lithographic apparatus.

15 Figure 2