

Title (en)

METHOD FOR PRODUCING AN OPTICAL ELEMENT FROM A QUARTZ SUBSTRATE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES OPTISCHEN ELEMENTES AUS QUARZSUBSTRAT

Title (fr)

PROCEDE ET PRODUCTION D'UN ELEMENT OPTIQUE EN SUBSTRAT EN QUARZ

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Application

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Abstract (en)

[origin: WO03093880A1] The invention relates to a method for producing an optical element from a quartz substrate for illuminating systems having illumination sources that emit beams having a wavelength of 157 nm or shorter. According to the invention, the quartz substrate (9) is joined to a supporting body (11) on at least one side. Afterwards, material is removed from the quartz substrate (9) until obtaining a set value with a thickness on the scale of microns μ . The optical element can be a diffractive optical element or a diffusing disc.

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