

Title (en)  
DIFFRACTIVE OPTICAL ELEMENT

Publication  
**EP 0515567 A4 19930217 (EN)**

Application  
**EP 91905722 A 19910211**

Priority  
US 47947490 A 19900213

Abstract (en)  
[origin: WO9112543A1] A diffractive optical element (11) and a method to produce same is disclosed. The optical element (11) comprises a base (13) and at least first and second phase zones (14) wherein the first phase zone (14) comprises a first multiplicity of steps (22) and the second phase zone comprises a second multiplicity of steps (22) and wherein a distance from an ith step of said first phase zone (14) to said base (13) is different than a distance of an ith step of said second phase (14) zone to said base (13), for at least one value of i. The method to produce the diffractive optical element (11) of the present invention includes the step of defining a collection of masks for creating stepped phase zones (14) wherein at least one of the collection of masks completely masks out at least one step (22) of at least one phase zone (14) such that the at least one step (22) of the at least one phase zone (14) will not be etched.

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**G02B 5/18; G02B 27/44**

IPC 8 full level  
**G02B 5/18** (2006.01)

CPC (source: EP)  
**G02B 5/1876** (2013.01)

Citation (search report)

- [E] EP 0441206 A1 19910814 - HUGHES AIRCRAFT CO [US]
- See references of WO 9112543A1

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