

Title (en)
HIGH SPEED OPTICAL SYSTEM

Title (de)
OPTISCHES SYSTEM MIT HOHER GESCHWINDIGKEIT

Title (fr)
SYSTEME OPTIQUE GRANDE VITESSE

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Application
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Abstract (en)
[origin: WO9534013A1] The present invention provides a lens system and/or a method of imaging onto an imaging detector. The lens system and method are used in focusing substantially parallel incident light onto the said detector. The lens system comprises: (a) a concentric spherical Cassegrain-like system of two mirrors; (b) a concentric spherical focal reducer; (c) a transfer lens system which combines the concentricity of the Cassegrain-like system of two mirrors and of the concentric spherical focal reducer by imaging the first centre of concentricity that is of the system of two mirrors onto the second centre of concentricity, that is, of the focal reducer to thereby provide a single optically concentric system which combines their advantages. Also present in the system are: (d) means to correct the sum of the spherical aberration of all the spherical mirrors in the entire system and (e) an aperture stop.

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