

Title (en)
VARIABLE FOCUS ZOOM LENSES

Title (de)
ZOOMLINSEN MIT VARIABLEM FOKUS

Title (fr)
OBJECTIFS A FOCAL VARIABLE

Publication
EP 2054743 A1 20090506 (EN)

Application
EP 06769720 A 20060824

Priority
SG 2006000243 W 20060824

Abstract (en)
[origin: WO2008024071A1] The present invention provides a variable focus semi-solid zoom lens, methods of making and using the variable focus lens and optical devices containing the variable focus semi-solid lens. The focal length is controllable by changing the shape, size, dimension, geometry, outer diameter or surface curvature of the semi-solid lens. The change of the focal length can be achieved by using a pressure control device coupled with the semi-solid lens. The semi-solid lens can also be mounted in a housing.

IPC 8 full level
G02B 3/14 (2006.01); **G02B 7/04** (2006.01)

CPC (source: EP)
G02B 3/14 (2013.01); **G02B 7/04** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008024071 A1 20080228; CN 101506690 A 20090812; EP 2054743 A1 20090506; EP 2054743 A4 20090902; JP 2010501890 A 20100121; TW 200813512 A 20080316

DOCDB simple family (application)
SG 2006000243 W 20060824; CN 200680055662 A 20060824; EP 06769720 A 20060824; JP 2009525524 A 20060824; TW 96128029 A 20070731