

Title (en)

OPTICAL ELEMENTS WITH ALTERNATING REFLECTIVE LENS FACETS

Title (de)

OPTISCHE ELEMENTE MIT ALTERNIERENDEN REFLEKTIERENDEN LINSFACETTEN

Title (fr)

ÉLÉMENTS OPTIQUES AYANT DES FACETTES DE LENTILLE RÉFLÉCHISSANTES ALTERNÉES

Publication

EP 2786234 A4 20150826 (EN)

Application

EP 12852553 A 20121114

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- US 201161564124 P 20111128
- US 201161564081 P 20111128
- US 2012064900 W 20121114

Abstract (en)

[origin: WO2013081818A1] An optical element for a light based touch surface including a concatenated plurality of segments, wherein each segment is paired with a respective light emitter, each segment including an undulating series of pairs of reflective or refractive facets, wherein a first facet in each pair is oriented so as to collimate light emitted from a first light emitter associated with the segment and a second facet in each pair is oriented so as to collimate light emitted from a second light emitter associated with the segment, and wherein the first light emitter associated with the segment is the light emitter paired with the segment and the second light emitter associated with the segment is the light emitter paired with a neighboring segment.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [IY] US 2008266266 A1 20081030 - KENT JOEL C [US], et al
- [IY] WO 2011035370 A1 20110331 - RPO PTY LTD [AU], et al
- [Y] US 2011115748 A1 20110519 - XU LIN [CN]
- [YA] US 2011210946 A1 20110901 - GOERTZ MAGNUS [SE], et al
- See references of WO 2013081818A1

Designated contracting state (EPC)

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