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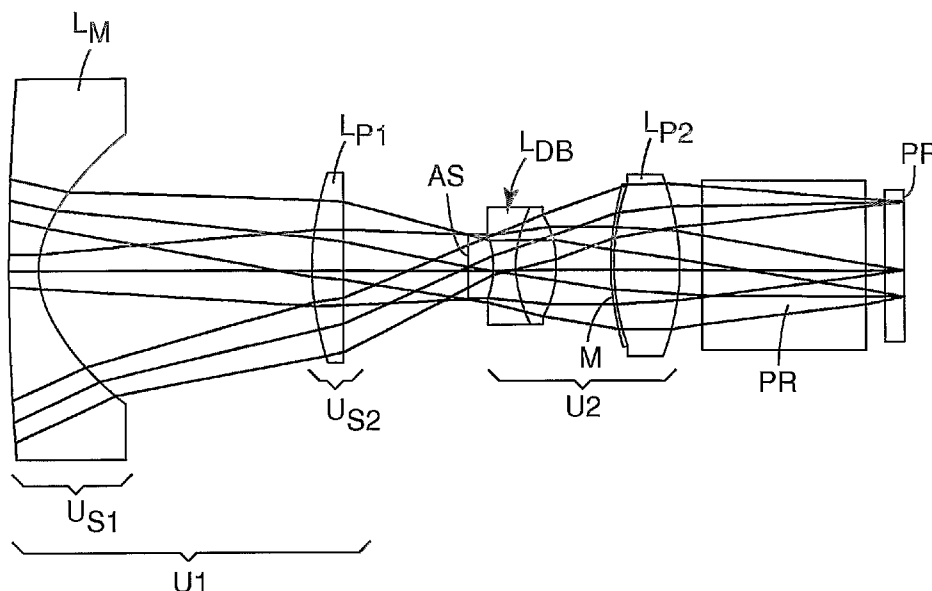
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(54) Title: LOW ELEMENT COUNT PROJECTION LENSES FOR USE WITH PIXELIZED PANELS



(57) Abstract: Projection lenses for use with pixelized panels (PP) are provided. The projection lenses have first and second lens units (U1,U2), each of which can contain just two optical components, e.g.,  $L_M$  and  $L_{P1}$  for the first lens unit and  $L_{DB}$  and  $L_{P2}$  for the second lens unit. The second lens unit can contain a hybrid component (e.g.,  $L_{P2}$ ) which comprises a glass base to which is attached a layer (M) of a formable material which has an external surface which is aspheric. The use of a hybrid component allows the projection lens to have reduced thermal drift, a reduced optical component count, and a short barrel length. The first lens unit can include an additional negative lens element  $L_N$  to improve the moldability of  $L_M$ , and the second lens unit can include a molded glass sphere rather than a hybrid component.

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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG,

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

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