

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| X,P | WO 2010/053341 A1 (UAB HORTILED [LT]; ZUKAUSKAS ARTURAS [LT]; DUCHOVSKIS PAVELAS [LT]) 14 May 2010 (2010-05-14) * page 6, line 23 - page 9, line 9 * * page 19, line 10 - page 20, line 32 * * figures 1,2,5,6 * | 1-34 | INV. F21K99/00 A01G7/04 H01L33/30 H05B33/08 |
| X | LIANG MA ET AL: "Investigation of Eu-Mn energy transfer in A3MgSi208:Eu<2+>, Mn<2+> (A=Ca,Sr,Ba) for light-emitting diodes for plant cultivation", APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, 2 HUNTINGTON QUADRANGLE, MELVILLE, NY 11747, vol. 93, no. 14, 6 October 2008 (2008-10-06), pages 144101-1, XP002658425, ISSN: 0003-6951 * the whole document * | 1-7 | ADD. H01L25/075 H01L33/50 H01L33/60 |
| X | US 6 686 691 B1 (MUELLER GERD O [US] ET AL) 3 February 2004 (2004-02-03) * column 3, line 24 - column 6, line 20 * * column 7, line 53 - column 8, line 31 * * figures 1, 2 * | 1-5 | TECHNICAL FIELDS SEARCHED (IPC) F21K A01G H01L |
| X | US 2006/285324 A1 (ANSEMS JOHANNES P M [NL] ET AL) 21 December 2006 (2006-12-21) * paragraphs [0006], [0007], [0012], [0017], [0019], [0031] - [0033]; figures 1A, 1B * | 1-3,5 | |
| X | US 2008/173886 A1 (CHEON KWANG-OHK [US] ET AL) 24 July 2008 (2008-07-24) * paragraphs [0023], [0032], [0034], [0058], [0083]; figures 1, 5, 14 * | 1-3,5 | |
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| 1 The present search report has been drawn up for all claims | | | |
| Place of search The Hague | | Date of completion of the search 17 February 2016 | Examiner Sommer, Jean |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |

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