

Title (en)
PLASTIC PRODUCTS CONTAINING LUMINOPHORES

Title (de)
KUNSTSTOFFERZEUGNISSE MIT LEUCHTSTOFFEN

Title (fr)
PRODUITS PLASTIQUES CONTENANT DES LUMINOPHORES

Publication
EP 4323469 A1 20240221 (DE)

Application
EP 22717157 A 20220323

Priority
• EP 21167980 A 20210413
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Abstract (en)
[origin: WO2022218662A1] The invention relates to plastic products containing at least one synthetic material and at least one luminophore of general formula (I) $A1-x-y-zB^*yB_2SiO_4:Ln1x,Ln2z$ (I), where: A is selected from among the group consisting of Mg, Ca, Sr and Ba; B is selected from among the group consisting of Li, Na, K, Rb and Cs; B* is selected from among the group consisting of Li, Na and K; B = B* or B ≠ B*, preferably B ≠ B*; Ln1 is selected from among the group consisting of praseodymium (Pr), erbium (Er) and neodymium (Nd); Ln2 is gadolinium (Gd); x = 0.0001 to 0.0500; z = 0.0000 or z = 0.0001 to 0.3000, with the proviso that: y = x + z; as well as objects which comprise said plastic products and/or are made therefrom.

IPC 8 full level
C09K 11/77 (2006.01); **A61L 2/10** (2006.01); **C08K 3/22** (2006.01); **C09K 11/02** (2006.01)

CPC (source: EP IL)
C08K 3/11 (2018.01 - IL); **C08K 3/34** (2013.01 - EP IL); **C08L 23/12** (2013.01 - IL); **C08L 67/06** (2013.01 - IL); **C09K 11/02** (2013.01 - EP IL); **C09K 11/77062** (2021.01 - EP IL); **C09K 11/77742** (2021.01 - EP IL); **C08K 3/11** (2018.01 - EP)

C-Set (source: EP)
1. **C08K 3/34 + C08L 23/12**
2. **C08K 3/34 + C08L 67/06**

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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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