

Title (en)  
ENERGY TRANSFER DYES

Title (de)  
ENERGIETRANSFERFARBSTOFFE

Title (fr)  
COLORANTS A TRANSFERT ENERGETIQUE

Publication  
**EP 1053472 A4 20020403 (EN)**

Application  
**EP 99905590 A 19990202**

Priority  
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• US 1811198 A 19980203

Abstract (en)  
[origin: WO9939203A1] A novel class of energy transfer dyes, their preparation, and their use as labels in biological systems is disclosed. The dyes are preferably in the form of cassettes which enable their attachment to a variety of biological materials. The dyes and the reagents that can be made from them offer a wide variety of fluorescent labels with large Stokes' shifts enabling their use in a variety of fluorescence applications over a wide range of the visible spectrum.

IPC 1-7  
**G01N 33/533**; C09B 62/44; G01N 33/52; G01N 33/545; G01N 33/548; G01N 33/552; G01N 33/554

IPC 8 full level  
**C07D 209/42** (2006.01); **C07D 263/56** (2006.01); **C07D 311/82** (2006.01); **C07D 311/88** (2006.01); **C07D 491/06** (2006.01); **C07D 493/10** (2006.01); **G01N 33/533** (2006.01); **G01N 33/542** (2006.01); **G01N 33/543** (2006.01)

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**C07D 209/42** (2013.01); **C07D 263/56** (2013.01); **C07D 311/88** (2013.01); **C07D 491/06** (2013.01); **C07D 493/10** (2013.01); **G01N 33/533** (2013.01); **G01N 33/542** (2013.01)

Citation (search report)  
• [Y] EP 0805190 A2 19971105 - PERKIN ELMER CORP [US]  
• [Y] J. B. RANDOLPH, A. S. WAGGONER: "Stability, specificity and fluorescence brightness of multiply-labeled fluorescent DNA probes", NUCLEIC ACIDS RESEARCH, vol. 25, no. 14, 1997, pages 2923 - 2929, XP002074426  
• [Y] Z. ZHU ET AL.: "Directly labeled DNA probes using fluorescent nucleotides with different length linkers", NUCLEIC ACIDS RESEARCH, vol. 22, no. 16, 1994, pages 3418 - 3422, XP002074425  
• See references of WO 9939203A1

Designated contracting state (EPC)  
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