

Title (en)
Dyeing method and dyed product.

Title (de)
Verfahren zum Färben und gefärbte Artikel.

Title (fr)
Procédé de teinture et produit teint.

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Application
EP 91114585 A 19910829

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• US 67074791 A 19910315

Abstract (en)
A dyeing method comprising: a process of treating a cellulose fiber textile product with cationic compound; and another process of treating the thus-treated textile product by immersing it in a dispersion containing reversibly color changeable fine particles which involve thermochromic or photochromic material in high polymer compound.

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• [Y] GB 2170228 A 19860730 - PILOT INK CO LTD
• [A] CH 591553 A5 19770930 - VISIOTERM APPLIC SA
• [YD] WORLD PATENTS INDEX LATEST Derwent Publications Ltd., London, GB; AN 85-053140 & JP-A-60 009 980 (KAO CORP) 19 January 1985
• [A] CHEMICAL ABSTRACTS, vol. 93, no. 12, 22 September 1980, Columbus, Ohio, US; abstract no. 115860, 'Synthetic fibers with color variation by light' page 63 ;
• [A] TEXTILE HORIZONS. vol. 8, no. 12, December 1980, MANCHESTER GB pages 45 - 47; STAN DAVIES: 'Japanese high technology yarns and fibres for fashion.'

Cited by
US5298035A; EP0645489A1; EP1889970A1; CN102477290A; CN1320201C; FR2840329A1; CN102807853A; EP0581274A1; TR26902A; AT501252A1; AT501252B1; US7985797B2; WO2014144853A2; WO2004048678A1; WO02078665A1

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