

Title (en)

Printing roller or sleeve with outer microcell cladding having open cells at the surface and closed cells internally, and method for its production

Title (de)

Druckzylinder oder -hülle mit äusserer Mikrozellenbeschichtung, welche offene Zellen auf der Oberfläche und geschlossene Zellen im Inneren aufweist, sowie sein Herstellungsverfahren

Title (fr)

Cylindre ou manchon d'impression avec revêtement extérieur aux microcellules, ayant des cellules ouvertes à la surface et des cellules closes à l'intérieur, et méthode pour sa production

Publication

EP 1717056 A1 20061102 (EN)

Application

EP 05103430 A 20050427

Priority

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Abstract (en)

A printing roller or sleeve (1) for use with flexographic printing systems or offset printing systems comprises a tubular body (2) provided with an internal cavity (3) and formed of polymer material, such as polyurethane, glass fibre reinforced plastic, kevlar, carbon, nickel or copper. This body (2) comprises two layered portions (4, 5), a first portion (4) being internal and defining the cavity of said tubular sleeve or roller (1) and a second portion (5) being external to the first and defining an outer surface of the sleeve (1), said second portion presenting a microcell structure with open cells at the surface and closed cells internally. The method for producing the sleeve or roller is also claimed.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] EP 1164011 A2 20011219 - ROSSINI ERMINIO SPA [IT]
- [X] US 5599266 A 19970204 - LANDL GERALD J [US], et al
- [Y] EP 0371386 A2 19900606 - TOKYO KIKAI SEISAKUSHO LTD [JP]
- [Y] US 5429046 A 19950704 - SHIBA NORIYUKI [JP], et al

Cited by

EP2085246A1; WO2009098644A2; WO2009098644A3

Designated contracting state (EPC)

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