

Title (en)
Substrate for lithographic printing plate.

Title (de)
Substrat für lithographische Druckplatten.

Title (fr)
Substrat pour une plaque d'impression lithographique.

Publication
EP 0470529 A1 19920212 (EN)

Application
EP 91113068 A 19910802

Priority
JP 20870790 A 19900807

Abstract (en)
A substrate for lithographic printing plate comprises an rolled aluminum plate whose specular gloss determined by making light incident upon the aluminum plate perpendicularly to the rolling direction of the rolled plate is at least 70% of that determined by making light incident upon the rolled plate parallel to the rolling direction of the rolled plate. The lithographic printing plate obtained from the substrate can output the rate of area of the plate occupied by patterns almost equal to the true area occupied by the patterns even if the lithographic printing plate is put on a printing press in such a manner that the rolling direction of the aluminum substrate of the printing plate is perpendicular to the direction of the vector component, parallel to the surface of the substrate, of the incident light from a light source of a plate scanner.

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Citation (search report)
• [A] WO 8102547 A1 19810917 - TEICH AG FOLIENWALZWERK [AT], et al
• [A] EP 0098166 A2 19840111 - KONISHIROKU PHOTO IND [JP]
• [A] EP 0257957 A1 19880302 - FUJI PHOTO FILM CO LTD [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 161 (P-702)(3008) 17 May 1988 & JP-A-62 275 267 (KONISHIROKU PHOTO IND CO LTD) 30 November 1987
• [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 287 (M-264)(1432) 21 December 1983 & JP-A-58 160 196 (KAWASAKI SEITETSU K.K.)
• [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 78 (M-675)(2925) 11 March 1988 & JP-A-62 218 189 (KOBE STEEL LTD) 25 September 1987

Cited by
EP1036667A1; EP2444254A1; KR101534293B1; US6354205B1; WO2012052353A1

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