

Title (en)

A fusing member for hot pressure fixing of toner particles and for transfusing toner particles

Title (de)

Schmelzeinrichtung für die Druck-Wärme-Fixierung und Schmelzübertragung von Tonerteilchen

Title (fr)

Dispositif de fusion pour le fixage à chaud sous pression et le transfert par fusion de particules de toner

Publication

EP 1014220 A1 20000628 (EN)

Application

EP 98204368 A 19981221

Priority

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Abstract (en)

A fusing member comprising a support, and on the support, an outermost layer containing a silicone elastomer, having at most 5 % by weight of filler particles, the elastomer layer containing polyorganosiloxane having a swelling factor, SF, equal to or higher than 3 and a thickness between 5 and 500 μm , both limits included and a second layer with an impurity absorbing material, closer to the support and immediately in contact with the outermost layer, the second layer being at least 40 μm thick. Preferably the second layer has a silicone containing elastomer and contains at least 5 % by weight of metal oxide particles having a specific surface of $\geq 30 \text{ m}^2/\text{g}$.

IPC 1-7

G03G 15/20

IPC 8 full level

G03G 15/20 (2006.01)

CPC (source: EP)

G03G 15/2057 (2013.01)

Citation (search report)

- [A] US 4372246 A 19830208 - AZAR JACK C, et al
- [A] EP 0531011 A1 19930310 - XEROX CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 080 (M - 370) 10 April 1985 (1985-04-10)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 209 (M - 407) 27 August 1985 (1985-08-27)

Cited by

EP1197810A3; CN103889077A; EP1336504A3; EP1284186A3; US6650860B2; US6902266B2

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