

Title (en)

Film transfer roller and film transfer apparatus having the film transfer roller

Title (de)

Folienübertragungsrolle und Folienübertragungsvorrichtung mit einer solchen Rolle

Title (fr)

Rouleau de transfert de film et dispositif de transfert de film muni d'un tel rouleau

Publication

**EP 0755889 A1 19970129 (EN)**

Application

**EP 96111779 A 19960722**

Priority

JP 18730795 A 19950724

Abstract (en)

A film transfer roller (10) includes a roller unit (3) rotatable while pressing one side of a flexible base material (1) to transfer a transfer film (2) on the other side of the base material (1) on to a target surface (A). A projection (5) is provided adjacent at least one of opposed axial ends of the roller unit (3) in a direction of rotational axis (P) of the roller unit (3). The projection (5) projects radially outward from a pressing peripheral surface (3A) of the roller unit (3) by a projecting amount (T;T1) greater than a thickness (t1) of the base material. When the projection (5) comes into contact with the target surface (A), the projection (5) provides torque to the roller unit (3) so as to allow the transfer film (2) to be transferred on to the target surface (A). The projection (5) is provided continuously or intermittently along a peripheral direction of the pressing peripheral surface (3A) of the roller unit (3). A film transfer apparatus using the above film transfer roller (10) is also disclosed. <IMAGE>

IPC 1-7

**B65H 37/00**; **B41J 29/367**

IPC 8 full level

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CPC (source: EP)

**B41J 29/367** (2013.01); **B65H 37/007** (2013.01)

Citation (search report)

- [A] US 2845041 A 19580729 - KARN ANDREW B
- [A] DE 8816290 U1 19890608
- [A] EP 0619189 A2 19941012 - FUJI KAGAKU SHIKOGYO [JP] & JP H06286927 A 19941011 - FUJI KAGAKU SHIKOGYO
- [A] US 3969181 A 19760713 - SEABOLD THOMAS W

Cited by

EP3189977A4; US10087032B2; US9452907B2

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