

Title (en)
Fixing device

Title (de)
Fixiervorrichtung

Title (fr)
Dispositif de fixation

Publication
EP 0833223 B1 20011114 (EN)

Application
EP 97114388 A 19970820

Priority
JP 25565196 A 19960927

Abstract (en)
[origin: EP0833223A2] A heat-resistant sheet, which has at least one slash alone formed therein, is provided between a fixing roller and a pressure member. The heat-resistant sheet, which has a thickness of 300 μ m, is coated with a synthetic resin material having superior toner-releasing and heat-resisting properties, or incorporates such a synthetic resin material inside thereof. Here, a recording material is transported between the fixing roller and the heat-resistant sheet. As the surface temperature of the fixing roller rises, the heat-resistant sheet starts expanding gradually, causing its surface to be warped. However, unless the temperature of the fixing roller exceeds a set temperature, the expansion of the heat-resistant sheet and its surface deflection are all absorbed by the slash. Therefore, it is possible to keep an optimal nip width while maintaining a proper applied pressure of the pressure member, without the necessity of using a heat-releasing device or increase the thickness of the heat-resistant sheet. As a result, a superior fixing operation is available by using the heat-resistant sheet having the slash alone. <IMAGE>

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IPC 8 full level
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