

Title (en)
HEAT-AND-PRESSURE FIXING DEVICE

Publication
EP 0027975 B1 19830316 (DE)

Application
EP 80106346 A 19801018

Priority
DE 2943344 A 19791026

Abstract (en)
[origin: ES8107397A1] Disclosed is a thermal pressure fixing device for a copier, comprising a pressure roll and a fixing roll for heating and pressing an image-receiving material carrying a toner image, whereby during the passage of the image-receiving material between the rolls the latter are in pressure contact with each other, whereas during a standstill of the copier or in the case of a copier malfunction, the pressure of the rolls is discontinued. There are provided a device for lifting the pressure roll toward the fixing roll and for separating the two rolls, and a clutch and brake mechanism interacting with this device. Resilient elements adapt the center distance between the pressure roll and the fixing roll to the changes occurring in diameter of these rolls, in such a way that the preset roll pressure between the rolls remains constant.

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G03G 15/20

IPC 8 full level
G03G 15/20 (2006.01)

CPC (source: EP US)
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Cited by
EP0112486A3; CN114413629A

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DOCDB simple family (publication)
EP 0027975 A1 19810506; EP 0027975 B1 19830316; AT E2808 T1 19830415; AU 530441 B2 19830714; AU 6327080 A 19810430; CA 1186013 A 19850423; DE 2943344 A1 19810507; DE 3062366 D1 19830421; ES 496275 A0 19811001; ES 8107397 A1 19811001; JP S5674280 A 19810619; US 4341458 A 19820727

DOCDB simple family (application)
EP 80106346 A 19801018; AT 80106346 T 19801018; AU 6327080 A 19801015; CA 363026 A 19801022; DE 2943344 A 19791026; DE 3062366 T 19801018; ES 496275 A 19801024; JP 14949380 A 19801027; US 19966380 A 19801022