

Title (en)
ROLL FUSING UNIT

Publication
EP 0121772 B1 19861029 (DE)

Application
EP 84102432 A 19840307

Priority
DE 3309398 A 19830316

Abstract (en)
[origin: US4585325A] A fixing roller device having a pressure roller and a heating roller as the fixing roller. Heating elements sealed into glass cylinders are located inside the heating roller, parallel to a roller axis. One heating element consists of a coil in a middle zone of the heating roller, while the other heating element has two coils in edge zones of the heating roll. Two temperature sensors are arranged respectively in the middle of the heating roller and near one of the end faces of the heating roller, at a small distance from the heating roller surface, and are connected to a control system which controls the current supply to the heating elements and cuts this supply as soon as the temperatures measured by the temperature sensors reach predetermined intended values.

IPC 1-7
G03G 15/20

IPC 8 full level
G03G 15/20 (2006.01)

CPC (source: EP US)
G03G 15/2042 (2013.01 - EP US)

Cited by
EP0304803A1; EP0400236A1; EP0564420A3; US5512993A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0121772 A1 19841017; EP 0121772 B1 19861029; AT E23229 T1 19861115; CA 1220509 A 19870414; DE 3309398 A1 19840920; DE 3461123 D1 19861204; JP S59177581 A 19841008; US 4585325 A 19860429

DOCDB simple family (application)
EP 84102432 A 19840307; AT 84102432 T 19840307; CA 449697 A 19840315; DE 3309398 A 19830316; DE 3461123 T 19840307; JP 4662184 A 19840313; US 58900684 A 19840313