

Title (en)  
Electrostatic copying apparatus.

Title (de)  
Elektrostatisches Kopiergerät.

Title (fr)  
Machine à copier électrostatique.

Publication  
**EP 0329197 A2 19890823 (EN)**

Application  
**EP 89106149 A 19831130**

Priority  
• EP 89106149 A 19831130  
• JP 20984982 A 19821130

Abstract (en)  
An electrostatic copying apparatus equipped with a heat fixing device, one of the fixing rollers being drivingly connected to a drive source and at least one of the fixing rollers including an electrical heating element. Said apparatus comprises a starting means (600) which produces a power supply closing signal when a power switch is closed, a first temperature detector (602) which detects the temperature of the fixing rollers and when the detected temperature reaches a first predetermined temperature T1, produces a first temperature reaching signal, a second temperature detector (604) which detects the temperature of the fixing rollers and when the detected temperature reaches a second predetermined temperature T2 suitable for fixing and higher than the first predetermined temperature T1, produces a second temperature reaching signal, a condition setting means (606) which includes a pre-heating switch and produces either a normal condition signal or a pre-heated condition signal in response to the actuation of the pre-heating switch, a driving control means (610) for controlling the operation of the drive source (308), and a heating control means (608) for controlling the operation of the heating element (480).

IPC 1-7  
**G03G 15/20**

IPC 8 full level  
**G03G 15/20** (2006.01)

CPC (source: EP)  
**G03G 15/2003** (2013.01); **G03G 15/2039** (2013.01); **G03G 21/1628** (2013.01); **G03G 21/1647** (2013.01); **G03G 2215/20** (2013.01); **G03G 2221/1651** (2013.01); **G03G 2221/1654** (2013.01); **G03G 2221/1657** (2013.01); **G03G 2221/1672** (2013.01); **G03G 2221/1675** (2013.01); **G03G 2221/1687** (2013.01); **G03G 2221/183** (2013.01); **G03G 2221/1853** (2013.01)

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 0329197 A2 19890823; EP 0329197 A3 19900613; EP 0329197 B1 19930915**

DOCDB simple family (application)  
**EP 89106149 A 19831130**