

Title (en)  
Thermal printing apparatus.

Title (de)  
Thermodrucker.

Title (fr)  
Appareil d'impression thermique.

Publication  
**EP 0405825 A2 19910102 (EN)**

Application  
**EP 90306733 A 19900620**

Priority  
JP 16728289 A 19890629

Abstract (en)  
A thermal printing apparatus (1) comprises a printing head (2) having a plurality of heating devices (R) for printing an image, and a driving device (4, 5, 6) for driving the heating devices (R) so as to gradate the image, wherein the plurality of heating devices (R) are grouped into a plurality of blocks and the driving device (4, 5, 6) drives the printing head (2) sequentially at each block in dependence on each required gradational level.

IPC 1-7  
**B41J 2/36; G01D 15/10; H04N 1/40**

IPC 8 full level  
**B41J 2/355** (2006.01); **B41J 2/36** (2006.01); **H04N 1/23** (2006.01)

CPC (source: EP KR)  
**B41J 2/35** (2013.01 - KR); **B41J 2/36** (2013.01 - EP)

Cited by  
EP2371556A1; US5548688A; WO2007002122A1; WO9517308A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0405825 A2 19910102; EP 0405825 A3 19910515**; JP H0332861 A 19910213; KR 910000365 A 19910129

DOCDB simple family (application)  
**EP 90306733 A 19900620**; JP 16728289 A 19890629; KR 900007306 A 19900522