

Title (en)
Sheet gripper for printing machines.

Title (de)
Bogengreifer für Druckmaschinen.

Title (fr)
Griffe à saisir des feuilles dans une machine à imprimer.

Publication
EP 0252602 A1 19880113 (EN)

Application
EP 87304999 A 19870605

Priority
GB 8613865 A 19860606

Abstract (en)
There is provided sheet printing apparatus (I) having at least one printing station (4) for sheet printing, sheet transfer means (7, 8) for conveying printed sheets (3), and radiation curing means (II) arranged to direct curing radiation onto sheets conveyed by said sheet transfer means, said sheet transfer means comprising a sheet gripper means (7) whose length extends transversely across the sheet feed direction of the sheet transfer means, wherein said gripper means has attached thereto and spaced therefrom a shielding plate (I3) extending along at least part of the length of said gripping means, said shielding plate having as the surface remote from the gripper means a radiation reflecting polished surface which serves to shadow said gripper means from directed radiation from said radiation curing means. In the apparatus of the invention the shielding plate (I3) serves to reduce overheating and heat damage resulting from the exposure of the sheet gripper means to ink-curing radiation. In a particularly preferred embodiment, the shielding plate is provided on its inner surface with fins or vanes (20) which serve to direct heated air towards the sides of the printing apparatus thus particularly assisting the avoidance of component overheating.

IPC 1-7
B41F 21/04; B65H 29/04; B41L 21/06; B41J 13/22

IPC 8 full level
B41F 21/04 (2006.01); **B41F 21/08** (2006.01); **B41F 23/04** (2006.01)

CPC (source: EP)
B41F 21/04 (2013.01); **B41F 21/08** (2013.01); **B41F 23/0443** (2013.01)

Citation (search report)
• US 4530495 A 19850723 - ZIMMERMANN HANS [DD], et al
• DE 2608661 A1 19770908 - MOESTUE HANS JACOB DIPL ING

Cited by
WO2018055030A1; DE10304617B4; EP4414179A1; DE102016218157A1; DE102016015749A1; DE102011087625A1; WO03033267A3

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

DOCDB simple family (publication)
GB 2191175 A 19871209; **GB 8613865 D0 19860709**; EP 0252602 A1 19880113

DOCDB simple family (application)
GB 8613865 A 19860606; EP 87304999 A 19870605