

Title (en)
FULLY AUTOMATIC COLD STAMPING MACHINE OF ROTATING WHEEL TYPE

Title (de)
VOLLAUTOMATISCHE KALTPRÄGUNGSMASCHINE VOM DREHRADTYP

Title (fr)
MACHINE D'ESTAMPAGE À FROID ENTIÈREMENT AUTOMATIQUE DE TYPE À ROUE TOURNANTE

Publication
EP 3552825 B1 20200902 (EN)

Application
EP 16923430 A 20161208

Priority
CN 2016109061 W 20161208

Abstract (en)
[origin: EP3552825A1] The utility model relates to the technical field of surface special printing equipment, and in particular to a cylinder type fully automatic cold foil machine. The cylinder type fully automatic cold foil machine according to the utility model comprises a machine frame body, a seal box, an infrared preheater, a vacuum suction mechanism, a conveyor belt mechanism, a pre-curing device, a stamping foil mounting device, a stamping foil rewinding device, an in-printing curing device, a post-curing device, and a cold foil rubber roller mechanism composed of a rotating main cylinder and two foil pressing rollers, wherein the conveyor belt mechanism is composed of a front-stage conveyor belt and a post-stage conveyor belt; and the pre-curing device, the stamping foil mounting device, the stamping foil rewinding device, the in-printing curing device, the post-curing device and the cold foil rubber roller mechanism are respectively located in the seal box. The foiling portion of the utility model adopts a structure form of matching the rotating main cylinder with the two foil pressing rollers, which can carry out two-side press fit transfer processing of stamping foil and a printing substrate; at the same time, glue on the printing substrate cured at different degrees in the pre-curing , in-printing curing and post-curing stages by using the three curing devices, which can effectively ensure the integrity of cold foil patterns and a cold foil effect; and the cylinder type fully automatic cold foil machine is simple and compact in structure and can ensure effects of cold foil processes such as raised foiling, embossed , and raised cast and cure.

IPC 8 full level
B41F 16/00 (2006.01); **B41G 1/04** (2006.01)

CPC (source: EP)
B41F 16/0033 (2013.01); **B41G 1/04** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3552825 A1 20191016; **EP 3552825 A4 20200115**; **EP 3552825 B1 20200902**; WO 2018103046 A1 20180614

DOCDB simple family (application)
EP 16923430 A 20161208; CN 2016109061 W 20161208