

Title (en)

Installation to make security documents and security documents made in such an installation.

Title (de)

Vorrichtung zur Herstellung von Sicherheitsdokumenten und darauf hergestellte Sicherheitsdokumente.

Title (fr)

Dispositif de fabrication de documents de sécurité et des documents de sécurité ainsi obtenu.

Publication

EP 0544611 A1 19930602 (EN)

Application

EP 92500157 A 19921127

Priority

ES 9102661 A 19911128

Abstract (en)

The installation has a stirring tank (1) into which process water has access through a duct (2) working with level control means (3) and (4), and the planchettes from a batcher (5), the tank (1) having a double propeller (7) agitator (6) in order for the mixture to be perfectly homogenized. The stirring tank (1) is provided with a number of outlets (8) to which respective ducts (9) are coupled to link the said tank to a number of nozzles (10) that are in turn positioned over the mould (11) to make the security paper, a special feature being that each such duct (9) is provided with a pump (12) working with a pressure and flow regulator (13) in order in turn for the supply from the said nozzles (10) to be perfectly homogeneous.

<IMAGE>

IPC 1-7

D21F 1/06; **D21F 1/44**

IPC 8 full level

D21F 1/06 (2006.01); **D21F 1/44** (2006.01)

CPC (source: EP)

D21F 1/06 (2013.01); **D21F 1/44** (2013.01)

Citation (search report)

- [A] CH 435962 A 19670515 - SPRINGUEL PAUL F [BE]
- [A] US 3123520 A 19640303

Cited by

DE102012212529A1; US8100334B2; WO2014033658A1

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0544611 A1 19930602; **EP 0544611 B1 19970507**; DE 69219564 D1 19970612; DE 69219564 T2 19970911; ES 2060488 A2 19941116; ES 2060488 B1 19951216; ES 2060488 R 19950601; MA 22718 A1 19930701; MX 9206877 A 19931201; UY 23512 A1 19921221

DOCDB simple family (application)

EP 92500157 A 19921127; DE 69219564 T 19921127; ES 9102661 A 19911128; MA 23008 A 19921127; MX 9206877 A 19921127; UY 23512 A 19921130