

Title (en)  
PROCESSING UNIT HAVING CONDENSER, AND FULLY AUTOMATIC GRAVURE PLATEMAKING PROCESSING SYSTEM USING SAME

Title (de)  
VERARBEITUNGSEINHEIT MIT KONDENSATOR UND VOLLAUTOMATISCHES VERARBEITUNGSSYSTEM ZUR TIEFDRUCKPLATTENHERSTELLUNG DAMIT

Title (fr)  
UNITÉ DE TRAITEMENT COMPRENANT UN CONDENSEUR, ET SYSTÈME DE TRAITEMENT DE FABRICATION DE CLICHÉS PAR GRAVURE ENTIÈREMENT AUTOMATIQUE UTILISANT CELLE-CI

Publication  
**EP 2789714 B1 20180328 (EN)**

Application  
**EP 12855932 A 20121205**

Priority  
• JP 2011267471 A 20111207  
• JP 2012081489 W 20121205

Abstract (en)  
[origin: EP2789714A1] Provided is a processing unit including a condenser, which is capable of condensing, during a plate-making process to be performed by the processing unit in a fully automatic gravure plate-making processing system, a processing solution vaporized into the form of mist so as to reuse the resultant as the processing solution, and to provide a fully automatic gravure plate-making processing system using the processing unit including a condenser. The processing unit includes a condenser, which is to be used for a fully automatic gravure plate-making processing system for manufacturing a plate-making roll by performing a series of processes on an unprocessed plate-making roll. The processing unit includes: a processing bath; chuck means for holding a gravure cylinder inside the processing bath; an intake port for taking in air, which is provided in a part of the processing bath; an exhaust port for exhausting gas, which is provided in another part of the processing bath; a condenser provided between the processing bath and the exhaust port; and a processing solution return pipe for returning, to the processing bath, a processing solution obtained by the condenser that liquefies a part of the gas to be exhausted.

IPC 8 full level  
**C25D 21/18** (2006.01); **B41C 1/18** (2006.01); **B41N 1/06** (2006.01); **C23F 1/08** (2006.01); **C25D 7/04** (2006.01); **C25D 17/00** (2006.01); **C25D 19/00** (2006.01); **C25D 21/04** (2006.01)

CPC (source: EP KR US)  
**B41C 1/18** (2013.01 - KR); **C23F 1/08** (2013.01 - EP US); **C25D 7/04** (2013.01 - EP US); **C25D 17/00** (2013.01 - EP US); **C25D 21/04** (2013.01 - EP US); **C25D 21/18** (2013.01 - EP KR US); **B41C 1/18** (2013.01 - EP US)

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 2789714 A1 20141015**; **EP 2789714 A4 20150902**; **EP 2789714 B1 20180328**; CN 103732806 A 20140416; ES 2666858 T3 20180508; JP WO2013084929 A1 20150427; KR 20140019866 A 20140217; US 2015014154 A1 20150115; WO 2013084929 A1 20130613

DOCDB simple family (application)  
**EP 12855932 A 20121205**; CN 201280038989 A 20121205; ES 12855932 T 20121205; JP 2012081489 W 20121205; JP 2013548262 A 20121205; KR 20147000551 A 20121205; US 201214241579 A 20121205