

Title (en)  
PRINTING APPARATUS, PRINTING METHOD, AND CARRIER MEANS

Title (de)  
DRUCKVORRICHTUNG, DRUCKVERFAHREN UND TRÄGERMITTEL

Title (fr)  
APPAREIL D'IMPRESSION, PROCÉDÉ D'IMPRESSION ET MOYENS DE SUPPORT

Publication  
**EP 3670198 A1 20200624 (EN)**

Application  
**EP 19218911 A 20191220**

Priority  
JP 2018240304 A 20181221

Abstract (en)  
A printing apparatus (100) includes a laser device (14) configured to direct a laser beam onto a recording medium (RL) for printing target information on the recording medium (RL), an adjustment unit (63) configured to calculate intensity of the laser beam to be directed onto the recording medium (RL) based on optical properties of the recording medium (RL) and optical properties of an irradiation stand (70) provided opposite the laser device (14) across the recording medium (RL), and adjust the intensity of the laser beam and an irradiation time of the laser beam so as to direct the laser beam onto the recording medium (RL) at a constant intensity, and an irradiation control unit (64) configured to control the laser device (14) to direct the laser beam onto the recording medium (RL) based on the intensity and irradiation time as adjusted by the adjustment unit (63).

IPC 8 full level  
**B41J 2/475** (2006.01); **B41J 2/45** (2006.01); **B41J 2/455** (2006.01)

CPC (source: EP)  
**B41J 2/4753** (2013.01); **B41J 2/45** (2013.01); **B41J 2/455** (2013.01)

Citation (applicant)  
• JP H06183039 A 19940705 - FUJI PHOTO FILM CO LTD  
• WO 2005037932 A1 20050428 - SUMITOMO METAL MINING CO [JP], et al  
• JP 2005187323 A 20050714 - SUMITOMO METAL MINING CO

Citation (search report)  
• [XA] WO 2018102633 A1 20180607 - VIDEOJET TECHNOLOGIES INC [US]  
• [AD] US 5668589 A 19970916 - KUWABARA TAKAO [JP], et al

Cited by  
US12083812B2; EP4183587A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3670198 A1 20200624; EP 3670198 B1 20220323**; JP 2020100085 A 20200702; JP 7196591 B2 20221227

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