

Title (en)
SHEET MANUFACTURING APPARATUS

Title (de)
VORRICHTUNG ZUR HERSTELLUNG VON BLÄTTERN

Title (fr)
APPAREIL DE FABRICATION DE FEUILLES

Publication
EP 4339344 A1 20240320 (EN)

Application
EP 23197722 A 20230915

Priority
JP 2022146829 A 20220915

Abstract (en)
There is provided a sheet manufacturing apparatus including: an accumulation section that accumulates a material containing fibers by an air flow to form a web; a humidification section that applies moisture from one surface side of the web; and a pressurization section that pressurizes the humidified web to form a sheet, in which the pressurization section includes a first roller that comes into contact with one surface of the web and a second roller that comes into contact with the other surface of the web, and a surface of the first roller is harder than a surface of the second roller.

IPC 8 full level
D04H 1/732 (2012.01); **D04H 1/44** (2006.01); **D21F 3/04** (2006.01); **D21F 7/00** (2006.01); **D21F 9/00** (2006.01)

CPC (source: EP US)
D04H 1/44 (2013.01 - EP); **D04H 1/58** (2013.01 - EP); **D04H 1/732** (2013.01 - EP); **D21F 3/04** (2013.01 - EP); **D21F 9/00** (2013.01 - EP US); **D21H 19/34** (2013.01 - US)

Citation (applicant)
• JP 2022146829 A 20220915
• JP 2015137437 A 20150730 - SEIKO EPSON CORP

Citation (search report)
• [I] US 2015204015 A1 20150723 - GOMI KATSUHIRO [JP], et al
• [A] EP 3913017 A2 20211124 - SEIKO EPSON CORP [JP]
• [A] US 4492612 A 19850108 - MATARAINEN REINO [FI]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4339344 A1 20240320; CN 117702369 A 20240315; JP 2024042247 A 20240328; US 2024093430 A1 20240321

DOCDB simple family (application)
EP 23197722 A 20230915; CN 202311164249 A 20230911; JP 2022146829 A 20220915; US 202318466026 A 20230913