

Title (en)
NUMERICAL CONTROL APPARATUS FOR AUTOMATED CUTTING OF A SHEET OF MATERIAL OR OF MULTIPLE SUPERIMPOSED SHEETS

Title (de)
NUMERISCHE STEUERUNGSVORRICHTUNG ZUM AUTOMATISIERTEN SCHNEIDEN EINES MATERIALBOGENS ODER MEHRERER ÜBEREINANDERLIEGENDER BÖGEN

Title (fr)
APPAREIL DE COMMANDE NUMÉRIQUE POUR LE DÉCOUPAGE AUTOMATIQUE D'UNE FEUILLE DE MATÉRIAU OU DE MULTIPLES FEUILLES SUPERPOSÉES

Publication
EP 3699305 A1 20200826 (EN)

Application
EP 19158075 A 20190219

Priority
EP 19158075 A 20190219

Abstract (en)
Numerical control apparatus (1) for automated cutting of a sheet (2) of material or of multiple superimposed sheets (2), comprising:- a cutting chamber (3) equipped with an inlet (4) and an outlet (5), said cutting chamber (3) being configured to house at least one portion of the sheet (2) lying on a plane (α);- cutting means (80) active within said cutting chamber (3) to perform the cutting of said sheet (2) according to a predefined pattern;- conveying means (6) adapted to feed the sheet (2) into said cutting chamber (3) in a forward direction (A) along a longitudinal direction (Y);- holding or retaining means (10; 115) active on said sheet (2) in a combined manner with said conveying means (6) to ensure the stability of said sheet during the cutting operation of said cutting means (80);- a control unit (U) configured to control said apparatus (1);- wherein said material may be indifferently a hide, a fabric or a synthetic material, and may be fed as a single sheet (2) or as a multilayer of sheets (2), without modifying said forward direction (A).

IPC 8 full level
C14B 5/00 (2006.01); **B26D 5/00** (2006.01); **B26D 5/06** (2006.01); **B26D 7/01** (2006.01); **B26D 7/06** (2006.01); **D06H 7/24** (2006.01)

CPC (source: EP)
B26D 5/005 (2013.01); **B26D 5/007** (2013.01); **B26D 5/06** (2013.01); **B26D 7/015** (2013.01); **B26D 7/018** (2013.01); **B26F 1/3813** (2013.01); **C14B 5/00** (2013.01); **D06H 7/24** (2013.01)

Citation (search report)
• [XAYI] WO 2016135637 A1 20160901 - AEFEE MACHINERY S R L [IT]
• [X] US 5450333 A 19950912 - MINAMI TOSHIYUKI [JP], et al
• [X] CN 107313237 A 20171103 - GUANGDONG ESQUEL TEXTILES CO, et al
• [Y] CN 105690480 A 20160622 - ZHAN JING

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 3699305 A1 20200826; BR 112021016214 A2 20211103; CN 113661255 A 20211116; EP 3927853 A1 20211229; EP 3927853 B1 20240214; EP 3927853 C0 20240214; WO 2020169460 A1 20200827

DOCDB simple family (application)
EP 19158075 A 20190219; BR 112021016214 A 20200214; CN 202080015512 A 20200214; EP 2020053848 W 20200214; EP 20704306 A 20200214