

Title (en)
PRODUCTION SYSTEM FOR MACHINING WORKPIECES

Title (de)
FERTIGUNGSSYSTEM ZUM BEARBEITEN VON WERKSTÜCKEN

Title (fr)
SYSTÈME DE FABRICATION DESTINÉ AU TRAITEMENT DE PIÈCES

Publication
EP 3890903 A1 20211013 (DE)

Application
EP 18833996 A 20181204

Priority
IB 2018001382 W 20181204

Abstract (en)
[origin: WO2020115514A1] The invention relates to a production system for workpieces (2, 2.1) to be machined, in particular for machining workpieces (2, 2.1) by means of presses, transfer presses or press lines (1.1), having a transfer comprising receiving and passing on the workpieces (2, 2.1) for technological machining from process station (1.2) to process station (1.2) in a chamber (1.4), preferably in a pressing unit (1). In said production system, logistical and technological processes are improved by means of unmanned aerial vehicles (UAV), wherein at least one UAV (3) is used for process support monitoring at least the production process of one of the workpieces (2, 2.1) or at least the transfer of at least one of the workpieces (2, 2.1).

IPC 8 full level
B21D 43/05 (2006.01); **B21D 43/20** (2006.01)

CPC (source: EP US)
B21D 43/05 (2013.01 - EP US); **B21D 43/20** (2013.01 - EP US); **B23Q 7/005** (2013.01 - US); **B30B 15/30** (2013.01 - EP); **B64U 50/37** (2023.01 - EP); **B64U 2101/26** (2023.01 - US); **B64U 2101/30** (2023.01 - EP)

Citation (search report)
See references of WO 2020115514A1

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)
WO 2020115514 A1 20200611; CN 113165047 A 20210723; EP 3890903 A1 20211013; JP 2022520306 A 20220330; US 2021402459 A1 20211230

DOCDB simple family (application)
IB 2018001382 W 20181204; CN 201880100015 A 20181204; EP 18833996 A 20181204; JP 2021531241 A 20181204; US 201817290790 A 20181204