

Title (en)
HIGH PERFORMANCE PRESS MACHINE FOR CLAY ARTIFACTS

Title (de)
HOCHLEISTUNGSPRESSMASCHINE FÜR TONARTEFAKTE

Title (fr)
PRESSE À HAUTE PERFORMANCE POUR DES ARTEFACTS EN ARGILE

Publication
EP 4019238 A1 20220629 (EN)

Application
EP 21217399 A 20211223

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Abstract (en)
Press machine (11) for clay artifacts, in particular for the making of roof tiles, comprising: a support structure (13) comprising a base frame (15), two lateral uprights (17, 19) each having a first end (17a, 19a) associated with said base frame (15), wherein said uprights (17, 19) are distanced from each other, a cross beam (21) connected to a second end (17b, 19b) of each upright (17, 19) and distal to said base frame (15); a pressing part (23) movable in a vertical direction relative to the support structure (13) and associated with said support structure (13) between said cross beam (21) and said base frame (15), said pressing part (23) comprising first mold-holding units (29) equipped with support means for supporting a plurality of first molds, and a camshaft (31) arranged to provide said pressing part (23) with a desmodromic movement along said vertical direction relative to the support structure (13); a movable element (39) rotatably associated with the support structure (13) and proximal to said base frame (15), said movable element (39) comprising second mold-holding units (41) equipped with support means for supporting a plurality of second molds, wherein the movement of said movable element (39) is synchronized with the movement of the pressing part (23) in order to bring said second mold-holding units (41) to said first mold-holding units (29) for the making of molded objects; wherein said camshaft (31) comprises at least two cams (33) each having a plurality of cam portions defining respective pressing tracks (43) cooperating with pressing elements (47) for imparting a downward movement onto the pressing part (23) and respective lifting tracks (45) cooperating with lifting stroke elements (49) for providing the pressing part (23) with a lifting movement towards the cross beam (21).

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Citation (applicant)
• DE 20306186 U1 20030618 - RIETER WERKE HAENDLE [DE]
• CN 102896690 A 20130130 - YIXING KELI BUILDING MATERIAL MACHINERY EQUIPMENT CO LTD
• US 3785194 A 19740115 - BRADLEE C

Citation (search report)
• [YDA] DE 20306186 U1 20030618 - RIETER WERKE HAENDLE [DE]
• [Y] US 3785194 A 19740115 - BRADLEE C
• [AD] CN 102896690 B 20140702 - YIXING KELI BUILDING MATERIAL MACHINERY EQUIPMENT CO LTD
• [A] IT 1240190 B 19931127
• [A] JP H08206883 A 19960813 - AIDA ENG LTD
• [A] US 5761994 A 19980609 - ITAKURA HIDEO [JP]
• [A] IT 9067277 A1 19911013 - FONDERIE OHG BONGIOANNI S P A

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