

Title (en)

METHOD OF BUILDING FLANGE IN VENTILATION CANAL EDGE AND A MACHINE USED FOR THIS

Title (de)

VERFAHREN ZUM HERSTELLEN EINES FLANSCHES IN EINER LÜFTUNGSKANALKANTE UND DAFÜR VERWENDETE MASCHINE

Title (fr)

PROCÉDÉ DE CONSTRUCTION D'UNE BRIDE DANS UN BORD DE CANAL DE VENTILATION ET MACHINE UTILISÉE À CET EFFET

Publication

**EP 3589430 B1 20220216 (EN)**

Application

**EP 18819861 A 20180227**

Priority

- TR 201703222 A 20170302
- TR 2018000014 W 20180227

Abstract (en)

[origin: WO2018236314A2] The present invention relates to a method of flanging a ventilation canal edge used for flanging the edges of quadrangular air ducts and a machine for this method, the square canal (K) and / or the elbow joint (D) are positioned on the carrier grid (7), to present in starting position (10) where the sheet metal (S), is pressed between bending form (6.5) and the forming thread form (4.1) from the starting position (10) by pressing with the help of the pressure group (1), the thrust group (2) and the miter group bringing into first position (20) then to the second position (30) by turning 90 degrees together with the sheet metal (S) brought to the first position (20), the bending piston (9.4) and the press plate (1.1) to the third position (40) by being pressed between the steep pressure plate (5.5) and the aid standing (6.4) to the third position (40) by means of the sheet metal (S), the inner mold (8.1) and forming the flange (60) at the mouth portion of the square canal K and / or the elbow joint (D) by pressing the tilt piston (3.1) and the standing and tilting joint (3.3) of the sheet metal (S) brought into the fourth position (50).

IPC 8 full level

**B21D 5/04** (2006.01); **B21D 19/08** (2006.01); **B21D 22/02** (2006.01); **F24F 13/02** (2006.01)

CPC (source: EP)

**B21D 5/04** (2013.01); **B21D 19/08** (2013.01); **B21D 22/025** (2013.01); **F24F 13/0245** (2013.01)

Cited by

IT202100001517A1

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

DOCDB simple family (publication)

**WO 2018236314 A2 20181227**; **WO 2018236314 A3 20190307**; EP 3589430 A2 20200108; EP 3589430 A4 20201118; EP 3589430 B1 20220216; TR 201703222 A2 20170721

DOCDB simple family (application)

**TR 2018000014 W 20180227**; EP 18819861 A 20180227; TR 201703222 A 20170302