

Title (en)  
FLOOR SURFACE FINISHING DEVICE

Title (de)  
BODENFLÄCHENENDBEARBEITUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE FINITION DE SURFACE DE SOL

Publication  
**EP 3128104 A4 20170405 (EN)**

Application  
**EP 14888527 A 20141217**

Priority  
• JP 2014075699 A 20140401  
• JP 2014083445 W 20141217

Abstract (en)  
[origin: EP3128104A1] Provided is a floor surface finishing device which, during the finishing of a concrete floor surface, can easily change in direction without damaging the concrete floor surface. A floor surface finishing device (100) is provided with: a surface leveler (10) having powered rotary trowels (1, 2) which rotate like propellers while being in contact with a floor surface (F) to be finished; an elastic, flat plate-like finishing trowel (70) disposed at a part of the outer periphery of the surface leveler (10) while being connected to the rear of the surface leveler (10) through a connection means (30); and a pressing means (90) for pressing the finishing trowel (70) toward the floor surface (F) to be finished. The connection means (30) connects the finishing trowel (70) to the surface leveler (10) so that the finishing trowel (70) in contact with the floor surface (F) to be finished is vertically movable and is horizontally rotatable at the outer periphery of the surface leveler (10), and the connection means (30) has a function of connecting the finishing trowel (70) to the surface leveler (10) so that the finishing trowel (70) can approach and move away from the surface leveler (10).

IPC 8 full level  
**E04F 21/24** (2006.01); **E04G 21/10** (2006.01)

CPC (source: EP)  
**E04F 21/247** (2013.01)

Citation (search report)  
• [XY] JP 2006336331 A 20061214 - JOSEI KOGYO KK  
• [X] JP 3892029 B2 20070314  
• [YA] JP H08156542 A 19960618 - YAMATATSUGUMI KK  
• See references of WO 2015151351A1

Cited by  
CN110195505A

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 3128104 A1 20170208; EP 3128104 A4 20170405**; CA 2942772 A1 20151008; CA 2942772 C 20190312; JP 2015196994 A 20151109; JP 6017488 B2 20161102; WO 2015151351 A1 20151008

DOCDB simple family (application)  
**EP 14888527 A 20141217**; CA 2942772 A 20141217; JP 2014075699 A 20140401; JP 2014083445 W 20141217