

Title (en)

AUTOMATED DECORING SYSTEM AND DECORING DEVICE

Title (de)

AUTOMATISCHE ENTKERNUNGSVORRICHTUNG UND SYSTEM

Title (fr)

SYSTEME AUTOMATISE DE DEBOURRAGE ET DISPOSITIF DE DEBOURRAGE

Publication

EP 1594642 B1 20090325 (FR)

Application

EP 04704633 A 20040123

Priority

- FR 2004000149 W 20040123
- FR 0300729 A 20030123

Abstract (en)

[origin: US2006272792A1] An automated decorating system includes plural decorers, each having a frame formed as a two-pronged fork. The space between the prongs receives a part to be decorated. Each of the decorers is in a chamber having only one loading door. The plural decorers are within the operating radius of a loading robot which loads the part to be decorated through a single face of the decorer into the space between the prongs.

IPC 8 full level

B22D 29/00 (2006.01)

CPC (source: EP US)

B22D 29/005 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006272792 A1 20061207; AT E426475 T1 20090415; BR PI0406881 A 20060103; CA 2513693 A1 20040812; CA 2513693 C 20081230; CN 100349676 C 20071121; CN 1750897 A 20060322; DE 202004021503 U1 20080807; DE 602004020190 D1 20090507; EP 1594642 A1 20051116; EP 1594642 B1 20090325; FR 2850305 A1 20040730; FR 2850305 B1 20050318; JP 2006515806 A 20060608; MX PA05007667 A 20060525; WO 2004067209 A1 20040812

DOCDB simple family (application)

US 54298404 A 20040123; AT 04704633 T 20040123; BR PI0406881 A 20040123; CA 2513693 A 20040123; CN 200480004458 A 20040123; DE 202004021503 U 20040123; DE 602004020190 T 20040123; EP 04704633 A 20040123; FR 0300729 A 20030123; FR 2004000149 W 20040123; JP 2006502117 A 20040123; MX PA05007667 A 20040123