

Title (en)
Powder coating apparatus and method

Title (de)
Vorrichtung und Verfahren zur Pulverbeschichtung

Title (fr)
Installation et procédé de pre-laquage par poudre

Publication
EP 1486262 A1 20041215 (FR)

Application
EP 03101743 A 20030613

Priority
EP 03101743 A 20030613

Abstract (en)
The installation has an unwinding unit that unwinds a support strip and passes the strip in a de-bender that reshapes the strip. A powder paint coating cabin functions according to electrostatic powdering procedure for coating the strip with powder paint. A near infra-red (NIR) baking furnace hardens the painting. A cooling and drying unit cools heating units and the strip before re-winding the strip into a coil. An independent claim is also included for a method for coating a support.

IPC 1-7
B05D 1/06; B05B 5/03; B05B 5/16

IPC 8 full level
B05D 1/06 (2006.01); **B05C 9/14** (2006.01); **B05D 3/02** (2006.01)

CPC (source: EP)
B05D 1/06 (2013.01); **B05C 9/14** (2013.01); **B05D 3/0263** (2013.01); **B05D 2202/00** (2013.01); **B05D 2252/02** (2013.01); **B05D 2252/10** (2013.01)

Citation (search report)
• [X] US 5176755 A 19930105 - WINKLE SR SHERMAN E [US], et al
• [X] US 5882405 A 19990316 - KISH FREDERICK A [US], et al
• [Y] US 5618589 A 19970408 - MCFARLAND ROGER A [US]
• [Y] US 2001018893 A1 20010906 - ARVERUS HAKAN [SE], et al

Cited by
EP2857112A1; EP2011660A1; WO2008090567A3

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)
EP 1486262 A1 20041215

DOCDB simple family (application)
EP 03101743 A 20030613