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(54) **Decoration system for powder-on-powder technology**

(57) A decoration system for powder-on-powder technology comprising a handling device 1 of bars or extruded profiles 4, comprising a frame 10 with which the bars are coupled mutually parallel and rotatably with respect to the frame, so as to be made to rotate about a principal axis thereof aligned with an overhead travelling crane 6, which conveys, transverse to the feed direction of the frame 10 imparted by the handling device, a dec-

oration device 51 comprising a perforated roll 52 adapted to rotate about a principal axis thereof while it advances conveyed by the overhead travelling crane 2 and adapted to coat said bars or extruded profiles 4 with powder paints, generally heat-setting, said profiles and said powders being electrostatically charged with opposite polarities so that the powders remain adhering to the bars even when they rotate about said principal axis thereof.

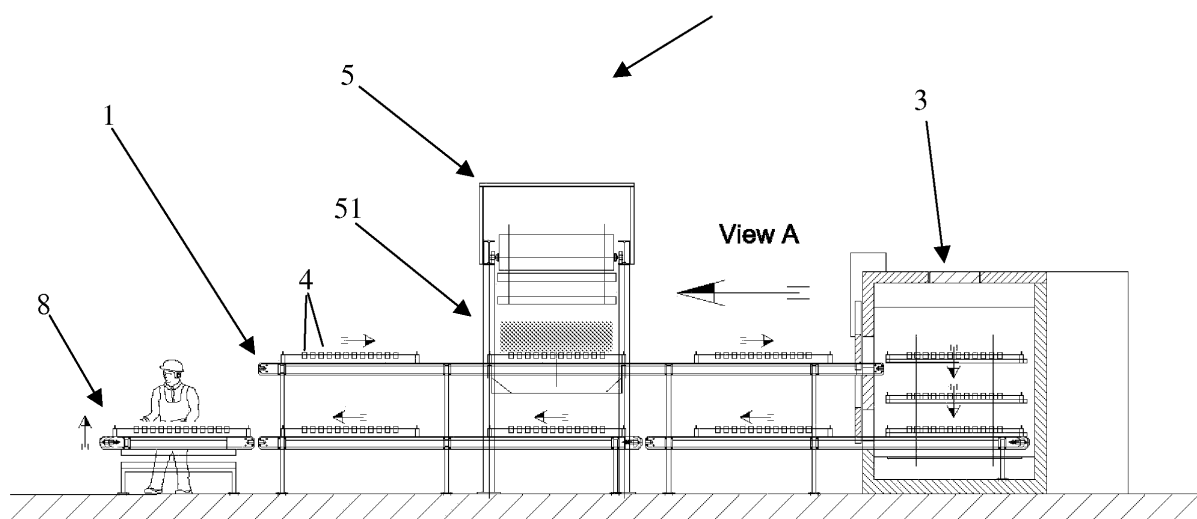


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 09 17 2186

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2007/009489 A1 (TREVISAN COMETAL S P A [IT]; TREVISAN SILVIO MARIA [IT]) 25 January 2007 (2007-01-25) * pages 5-6 * * page 7, last paragraph - page 8, paragraph 2 * * page 12, paragraph 2 - paragraph 3; figures *	1-3, 10-14	INV. B05C19/04 B05B5/057 B05D5/06 B41F15/08
A	EP 1 208 953 A2 (TECNO EUROPA S R L [IT]) 29 May 2002 (2002-05-29) * paragraphs [0044] - [0052]; figure 1 * * abstract *	1-2	
A	FR 2 281 844 A1 (ZIMMER JOHANNES [AT]) 12 March 1976 (1976-03-12) * claim 1 *	1	
A	GB 693 619 A (TOOTLE BROADHURST LEE COMPANY) 1 July 1953 (1953-07-01) * page 2, lines 121-127; figure *	1	
A	US 3 081 698 A (CHILDRESS CLYDE O ET AL) 19 March 1963 (1963-03-19) * column 4, lines 34-62 * * column 5, lines 10-39; figures 3,5 *	1	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 1 March 2010	Examiner Brévier, François
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-3, 10-14

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-3, 10-14

Decorating device

2. claims: 4-9

Handling device

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 17 2186

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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01-03-2010

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