

EUROPEAN PATENT APPLICATION

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B 05 B 5/02, B 05 B 3/10

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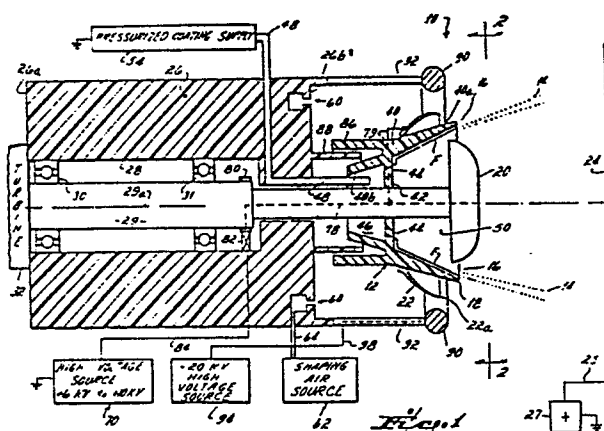
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Method and apparatus for inductively charging centrifugally atomized conductive coating material.

Electrostatic spray coating method and apparatus, for spraying conductive coating material, utilizing a nonconductive rotating cup-shaped atomizer and a charge-inducing electrode proximate the periphery of the rotating cup whereat atomization occurs. The electrode, which is charged to one polarity from an electrostatic source, induces opposite polarity charge on the atomized particles. The charged particles are then attracted toward an object to be coated which is maintained at a potential sufficiently different to attract the charged particles to facilitate deposition of the coating on the object. The conductive coating can be either inherently conductive material, e.g. water-based paint, or nonconductive material, such as, solvent-based paint, which has been doped to render it conductive.





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EUROPEAN SEARCH REPORT

0120648

Application number

EP 84 30 1729

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
X	US-A-4 215 818 (HOPKINSON) * Column 1, lines 24-44, 52-56, 65-66; column 3, lines 49-54; column 4, lines 3-21, 54-56, 61-62; figure 1 *	1-3, 12, 14	B 05 B 5/04 B 05 B 5/02 B 05 B 3/10
A	---	5, 9, 15	
A	US-A-3 900 000 (GALLEN) * Column 1, lines 66-68; column 2, lines 17-20; column 4, lines 60-67; column 5, line 33 - column 6, line 3 *	1, 2, 4, 7, 11-15	
A	FR-A-2 370 519 (BENEDECK) * Page 3, lines 29-35; page 4, lines 11-13, 26-27; page 6, lines 32-37; figures 2-4 *	1, 2, 4, 7, 15	TECHNICAL FIELDS SEARCHED (Int. Cl. 3) B 05 B
A	US-A-4 337 895 (GALLEN) * Abstract; figure 1 *	8	
A	GB-A-1 154 014 (MUELLER) * Figure *	9	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-06-1985	Examiner JUGUET J.M.

CATEGORY OF CITED DOCUMENTS

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	EP-A-0 029 302 (COFFEE) * Page 2, lines 16-34; page 4, lines 4-26; figures 1,2 *	1,12	
A	GB-A-2 093 734 (MARCHANT et al.) * Page 1, lines 69-85; page 2, lines 80-86; page 3, lines 26-35, 118-130 *	1,11-13	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
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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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