(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number: **0 587 185 A3**

(12) **EUROPEAN PATENT APPLICATION**

(21) Application number: **93114601.3**

(22) Date of filing: **10.09.93**

(51) Int. Cl.[5]: **B01F 7/18**, B01F 3/12, B02C 17/16, B01F 7/16, B01F 7/26

(30) Priority: **11.09.92 JP 269401/92**
18.03.93 JP 58829/93

(43) Date of publication of application:
16.03.94 Bulletin 94/11

(84) Designated Contracting States:
DE FR GB

(88) Date of deferred publication of the search report:
28.09.94 Bulletin 94/39

(71) Applicant: **TOYO INK MANUFACTURING CO., LTD.**
3-13, Kyobashi 2-chome
Chuo-ku, Tokyo 104 (JP)

(72) Inventor: **Murase, Yasuhiko c/o Toyo Ink Manufacturing Co.Ltd**
3-13, Kyobashi 2-chome,
Chuo-ku
Tokyo (JP)
Inventor: **Mizoguchi, Naoji c/o Toyo Ink Manufacturing Co.Ltd**
3-13, Kyobashi 2-chome,
Chuo-ku
Tokyo (JP)
Inventor: **Yoshida, Fumio c/o Toyo Ink Manufacturing Co. Ltd.**
3-13, Kyobashi 2-chome,
Chuo-ku
Tokyo (JP)
Inventor: **Kanai, Kouichi c/o Toyo Ink Manufacturing Co. Ltd.**
3-13, Kyobashi 2-chome,
Chuo-ku
Tokyo (JP)

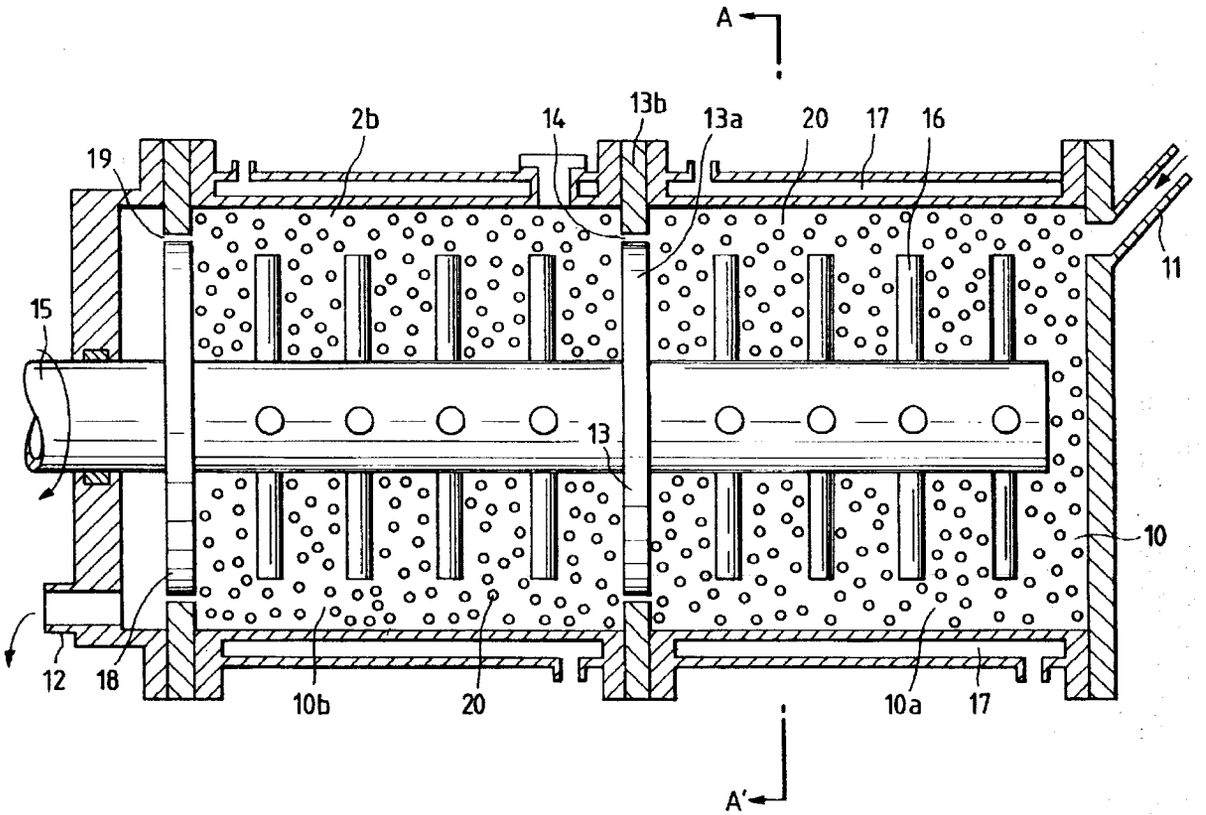
(74) Representative: **Solf, Alexander, Dr. et al**
Patentanwälte
Dr. Solf & Zapf
Candidplatz 15
D-81543 München (DE)

(54) **Continuous dispersing apparatus.**

(57) A continuous dispersing apparatus in which stirring vanes in a vessel disperse pulverized media, wherein mill base containing coarse pigment particles is prevented from being discharged. The apparatus includes a vessel for containing pulverized media with a supply inlet and a discharge outlet being formed at respective ends of the vessel, a rotating disc mounted on a rotating shaft passing through the vessel, and a partition defining a gap which prevents the passage of the pulverized media while passing dispersed material, the partition dividing the vessel into a plurality of chambers. Each chamber is provided with at least one stirring device mounted on the rotating shaft.

EP 0 587 185 A3

FIG. 1



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 93 11 4601

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.5)
X	PATENT ABSTRACTS OF JAPAN vol. 7, no. 273 (C-198) (1418) 6 December 1983 & JP-A-58 153 529 (DAINIPPON TORYO KK) 12 September 1983 * abstract * ---	1	B01F7/18 B01F3/12 B02C17/16 B01F7/16 B01F7/26
X	PATENT ABSTRACTS OF JAPAN vol. 7, no. 285 (C-201) (1430) 20 December 1983 & JP-A-58 163 424 (DAINIPPON TORYO KK) 28 September 1983 * abstract * ---	1	
X	GB-A-2 134 816 (UNION PROCESS INTERNATIONAL INC.) * claims; figure 1 * ---	1	
X	EP-A-0 173 151 (DRAISWERKE GMBH) * figure 3 * ---	2-8	
A	US-A-3 698 647 (J.D.NYE) * claims; figure 1 * ---	1-8	TECHNICAL FIELDS SEARCHED (Int.Cl.5) B02C B01F
A	US-A-4 106 116 (M.H.MACKAY) * figure 1 * ---	1-8	
A	US-A-3 149 789 (A.SZEGVARI) * figure 1 * -----	1-8	

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
BERLIN	23 June 1994	Cordero Alvarez, M

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

EPO FORM 1503 03.82 (P04C01)