

Title (en)  
CAROUSEL-TYPE PAINT TONING MACHINE

Title (de)  
KARUSSELLARTIGE FARBABTÖNMASCHINE

Title (fr)  
MACHINE DE COLORATION DE PEINTURE DE TYPE CARROUSEL

Publication  
**EP 1109678 B1 20031022 (EN)**

Application  
**EP 99940227 A 19990831**

Priority  
• FI 9900709 W 19990831  
• FI 981878 A 19980902

Abstract (en)  
[origin: WO0013918A1] The invention relates to a carousel-type paint toning machine comprising a frame (1); a carousel base (3) arranged rotatably in an upper part (2) of the frame; containers (4) for toning paste, arranged in a circle on the carousel base; means (5) for rotating the carousel base (3); means for mixing the paste in the paste containers, the means comprising a mixer (6) inside each paste container and a rotatable part (7) connected to the mixer and situated below each container; and means (8) for rotating the rotatable parts (7) connected to the mixers. In order to reduce the costs of manufacturing the machine, the carousel base (3) and the means (8) for rotating the rotatable parts (7) connected to the mixers (6) are formed by cutting them from a single plate, the middle of which forms the carousel base (3) and the remaining outer part forms the means (8) for rotating said rotatable parts.

IPC 1-7  
**B44D 3/08**

IPC 8 full level  
**B01F 13/10** (2006.01); **B01F 7/00** (2006.01); **B01F 7/16** (2006.01); **B01F 15/00** (2006.01)

CPC (source: EP)  
**B01F 33/841** (2022.01); **B01F 35/33** (2022.01); **B01F 27/80** (2022.01); **B01F 35/32005** (2022.01); **B01F 2101/30** (2022.01)

Cited by  
CN107415571A; US8372195B2; EP3854473B1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0013918 A1 20000316**; AT E252459 T1 20031115; AU 5425499 A 20000327; CN 1097522 C 20030101; CN 1318016 A 20011017; DE 69912296 D1 20031127; DE 69912296 T2 20040729; DK 1109678 T3 20040223; EP 1109678 A1 20010627; EP 1109678 B1 20031022; ES 2211143 T3 20040701; FI 104061 B1 19991115; FI 104061 B 19991115; FI 981878 A0 19980902; FI 981878 A 19991115

DOCDB simple family (application)  
**FI 9900709 W 19990831**; AT 99940227 T 19990831; AU 5425499 A 19990831; CN 99810608 A 19990831; DE 69912296 T 19990831; DK 99940227 T 19990831; EP 99940227 A 19990831; ES 99940227 T 19990831; FI 981878 A 19980902