

Title (en)
Dust removing system

Title (de)
System zur Entfernung von Staub

Title (fr)
Système d'enlèvement de poussière

Publication
EP 0810039 B1 20020123 (EN)

Application
EP 97108466 A 19970526

Priority
JP 15905796 A 19960529

Abstract (en)
[origin: EP0810039A2] A dust removing system which is possible to remove dust (R) strongly adhered to a work (2) surely and is possible to prevent the work (2) from damaging. The dust removing system is provided with an air sucking chamber (4) having an air sucking opening (3) which opens at a position near the work (2), a rotating brushroll (5) disposed inside said air sucking chamber (4) slidable on said work (2), and a nozzle (6) arranged inside said air sucking chamber (4) for sucking and removing dust (R) adhering to the rotating brushroll (5) and to be close to or contact with said rotating brushroll (5). A diameter (D) of said rotating brushroll (5) and an inner width (W) of said air sucking chamber (4) parallel to a traveling direction of said work (2) are arranged to be $D \leq W \leq (D+20\text{mm})$. <IMAGE>

IPC 1-7
B08B 5/04; **B08B 1/04**

IPC 8 full level
B08B 1/00 (2006.01); **B08B 1/04** (2006.01); **B08B 5/02** (2006.01); **B08B 5/04** (2006.01); **B08B 15/04** (2006.01); **D21F 7/00** (2006.01)

CPC (source: EP KR)
B07B 4/00 (2013.01 - KR); **B08B 1/32** (2024.01 - EP); **B08B 1/52** (2024.01 - EP); **B08B 1/54** (2024.01 - EP); **B08B 5/04** (2013.01 - EP); **B08B 5/043** (2013.01 - EP); **B08B 15/04** (2013.01 - EP)

Cited by
CN113908936A; CN113275289A; CN112845207A; DE19838757C1; CN102319712A; CN114643217A; DE10302127A1; CN109877469A; NL2033591B1; DE10018388C1; CN105935660A; EP3626356A1; GB2618595A; CN102458696A; EP3686324A4; EP2130613A1; FR2931712A1; EP2037037A1; US11559134B2; WO2007059919A3; WO2006029471A1; WO2010140967A1; WO2023218173A1; US7017226B2; US11559824B2; WO2005049238A1; WO2024112192A1; EP3686324B1; US11141759B2; US11420229B2; US11511318B2; US11717850B2; US11717851B2; US11883843B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0810039 A2 19971203; **EP 0810039 A3 19981104**; **EP 0810039 B1 20020123**; CN 1166386 A 19971203; CN 1182925 C 20050105; DE 69709984 D1 20020314; DE 69709984 T2 20020926; JP 3122370 B2 20010109; JP H09314072 A 19971209; KR 100267630 B1 20001016; KR 970073747 A 19971210; TW 327140 B 19980221

DOCDB simple family (application)
EP 97108466 A 19970526; CN 97105419 A 19970529; DE 69709984 T 19970526; JP 15905796 A 19960529; KR 19970021488 A 19970529; TW 86106280 A 19970512