

Title (en)
Suction box

Title (de)
Saugkasten

Title (fr)
Caisse aspirante

Publication
EP 0831173 B1 20020227 (DE)

Application
EP 97115324 A 19970904

Priority
DE 29615823 U 19960913

Abstract (en)
[origin: US5858175A] A suction box for a machine for manufacturing a fiber web extends transverse to the travel direction of a porous belt and applies suction to the belt and the fiber suspension on the belt. The suction box has an open side toward the belt. At least two and more usually a plurality of support strips contact and extend transverse to the travel direction of the belt. Each adjacent pair of strips defines a suction slot. At one or both lateral side zones of the belt, a respective filler limits each slot, and the fillers establish the length of the slot across the belt. A respective filler extension extends inward from each of the fillers. The extensions are pervious to the fluids being suctioned, such as water and air, by being narrowed or wedge shaped or by being perforated. The fillers with their extensions are adjustable in position transverse to the direction of travel.

IPC 1-7
D21F 1/48; **D21F 1/52**

IPC 8 full level
D21F 1/48 (2006.01); **D21F 1/52** (2006.01)

CPC (source: EP US)
D21F 1/523 (2013.01 - EP US)

Cited by
EP1260633A3; EP1300509A1; EP1719835A1; DE10163575A1; DE102007000258A1; US6821389B2; US6752909B2

Designated contracting state (EPC)
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US 5858175 A 19990112; AT E213795 T1 20020315; CA 2215482 A1 19980313; CA 2215482 C 20051115; DE 29615823 U1 19961031; DE 59706481 D1 20020404; EP 0831173 A2 19980325; EP 0831173 A3 19980401; EP 0831173 B1 20020227

DOCDB simple family (application)
US 92970897 A 19970915; AT 97115324 T 19970904; CA 2215482 A 19970912; DE 29615823 U 19960913; DE 59706481 T 19970904; EP 97115324 A 19970904