

Title (en)
Screening of tobacco material

Title (de)
Sichten von Tabakmaterial

Title (fr)
Séparation du tabac

Publication
EP 1800550 A1 20070627 (DE)

Application
EP 06023896 A 20061117

Priority
DE 102005062090 A 20051222

Abstract (en)
A tobacco particle separator comprises an elongated trough with parallel concave traps, each located under an air jet (14) emerging from an overhead rhomboid plug separated by a gap (25) from the adjacent plug (1). The plugs sub-divide the trough into upper and lower chambers. An independent claim is included for tobacco particle grading, in which air jets are directed at the parallel concave traps. Light particles are raised by the flow of air (15) to the upper chamber for removal and leave heavier particles (13) in the traps.

IPC 8 full level
A24B 1/04 (2006.01); **A24C 5/39** (2006.01); **B03B 4/02** (2006.01); **B03B 4/06** (2006.01); **B07B 7/02** (2006.01)

CPC (source: EP)
A24C 5/396 (2013.01); **B03B 4/02** (2013.01); **B03B 4/06** (2013.01); **B07B 4/08** (2013.01)

Citation (applicant)
US 4646759 A 19870303 - THATCHER RICHARD E [US], et al

Citation (search report)
• [X] US 4646759 A 19870303 - THATCHER RICHARD E [US], et al
• [DA] EP 0361815 A1 19900404 - ROTHMANS INT TOBACCO [GB]
• [A] EP 1062883 A1 20001227 - FOCKE & CO [DE]

Citation (examination)

Cited by
CN108576914A; CN110121988A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1800550 A1 20070627; CN 100537055 C 20090909; CN 1986084 A 20070627; DE 102005062090 A1 20070705;
DE 102005062090 B4 20100114

DOCDB simple family (application)
EP 06023896 A 20061117; CN 200610170157 A 20061222; DE 102005062090 A 20051222