

Title (en)

APPARATUS FOR MAKING NEEDLED FORMED FIBROUS BODIES

Publication

EP 0110284 B1 19861015 (DE)

Application

EP 83111623 A 19831121

Priority

DE 3243326 A 19821123

Abstract (en)

[origin: US4631789A] Apparatus for producing needled fibrous bodies of a predetermined geometrical shape and height or strength of fiber material, particularly as padding elements for the clothing industry.

IPC 1-7

D04H 18/00

IPC 8 full level

D01G 25/00 (2006.01); **D04H 1/00** (2006.01); **D04H 18/00** (2012.01)

CPC (source: EP US)

D04H 18/00 (2013.01 - EP US); **D04H 18/02** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR IT NL

DOCDB simple family (publication)

EP 0110284 A2 19840613; **EP 0110284 A3 19850424**; **EP 0110284 B1 19861015**; DE 3243326 A1 19840524; DE 3366976 D1 19861120; JP H0357989 B2 19910904; JP S59106554 A 19840620; US 4631789 A 19861230

DOCDB simple family (application)

EP 83111623 A 19831121; DE 3243326 A 19821123; DE 3366976 T 19831121; JP 21883183 A 19831122; US 55044983 A 19831110