

Title (en)
IMPROVED NEEDLING PROCESS

Publication
EP 0388072 A3 19901031 (EN)

Application
EP 90302428 A 19900307

Priority
GB 8905789 A 19890314

Abstract (en)
[origin: EP0388072A2] A method of strengthening and/or densifying a non-woven batt which comprises at least 5% by weight of melt or bicomponent fibres by a combination of thermal and mechanical bonding is described. Thermal and mechanical bonding are carried out in a single operation, by needling the non-woven batt in a needleloom provided with barbed or forked needles, at an elevated temperature of at least the softening temperature of the melt or bicomponent fibres. The properties of the non-woven batt which has been strengthened and/or densified by the method according to the invention can be adapted as required by varying the processing conditions.

IPC 1-7
D04H 1/48; D04H 18/00

IPC 8 full level
D04H 1/48 (2012.01); **D04H 1/485** (2012.01); **D04H 1/541** (2012.01); **D04H 1/544** (2012.01); **D04H 1/549** (2012.01); **D04H 1/55** (2012.01);
D04H 18/00 (2012.01)

CPC (source: EP US)
D04H 1/48 (2013.01 - EP); **D04H 1/485** (2013.01 - EP US); **D04H 1/5412** (2020.05 - EP US); **D04H 1/5418** (2020.05 - EP US);
D04H 1/544 (2013.01 - EP); **D04H 1/549** (2013.01 - EP); **D04H 1/55** (2013.01 - EP); **D04H 18/02** (2013.01 - EP); **D04H 1/5414** (2020.05 - EP US)

Citation (search report)
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US7114226B2; WO9828476A1; WO9322486A1; WO9824959A1; WO9324695A1; WO9324696A1; EP2963204B1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0388072 A2 19900919; EP 0388072 A3 19901031; GB 8905789 D0 19890426

DOCDB simple family (application)
EP 90302428 A 19900307; GB 8905789 A 19890314