

Title (en)
SOUND ABSORBING MINERAL WOOL PRODUCT AND METHOD OF MANUFACTURING THE SAME

Publication
EP 0268594 B1 19910123 (EN)

Application
EP 87902185 A 19870401

Priority
SE 8601493 A 19860403

Abstract (en)
[origin: WO8705960A1] A mineral wool body suited for use as a sound insulating body having the ability of damping or absorbing both high frequency and low frequency sound, and in which at least the largest portion of the surfaces of the mineral wool body which are exposed to said high frequency and low frequency sound is covered with a binder in such amount and by such application method that practically all surface fibres of the mineral wool body are bound to each other and still the binder does not provide an integral, unbroken film of binder. The binder preferably is a solution of an inflammable alkali silicate, especially water glass, and it is applied to the mineral wool body in an amount of 75-150 or preferably 95-140 g dry matter content/m<2> of the mineral wool body, whereupon the solvent is allowed to evaporate or dry, preferably at a temperature of less than 120 DEG C. The binder can be pre-polymerized so that the viscosity at 20 DEG C and a dry matter content of 50% is more than 300 mPa.s, and the binder is applied in a concentration of less than 40% or preferably less than 38% dry matter content.

IPC 1-7
E04B 1/86

IPC 8 full level
E04B 1/86 (2006.01); **E04C 2/16** (2006.01)

IPC 8 main group level
E04B (2006.01)

CPC (source: EP)
E04C 2/16 (2013.01)

Citation (opposition)
Opponent : ROCKWOOL AKTIEBOLAGET
• SE 200496 C1
• US 1966069 A 19340710 - KLIEFOTH MAX H
• US 2450911 A 19481012 - PARK ARTHUR D, et al
• US 3111188 A 19631119 - REES WILLIS M, et al
• DK 65991 C 19471201 - ARKI AB [SE]

Cited by
DE4338619C5

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

DOCDB simple family (publication)
WO 8705960 A1 19871008; AT E60388 T1 19910215; DE 3767669 D1 19910228; DK 160888 B 19910429; DK 605187 A 19871118; DK 605187 D0 19871118; EP 0268594 A1 19880601; EP 0268594 B1 19910123; FI 84385 B 19910815; FI 875260 A0 19871127; FI 875260 A 19871127; NO 165038 B 19900903; NO 165038 C 19901212; NO 874916 D0 19871126; NO 874916 L 19871126; SE 458456 B 19890403; SE 8601493 D0 19860403; SE 8601493 L 19871004

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SE 8700167 W 19870401; AT 87902185 T 19870401; DE 3767669 T 19870401; DK 605187 A 19871118; EP 87902185 A 19870401; FI 875260 A 19871127; NO 874916 A 19871126; SE 8601493 A 19860403