

Title (en)  
Flame retardant shingle

Title (de)  
Schwerentflammbare Schindel

Title (fr)  
Bardeau résistant à la flamme

Publication  
**EP 0881338 B1 20080416 (DE)**

Application  
**EP 98109718 A 19980528**

Priority  
DE 29709804 U 19970530

Abstract (en)  
[origin: US6436510B1] The present invention relates to a low-flammability shingle comprising at least one double-sidedly bituminized textile sheet material to whose surface has been applied a pulverulent or flaky flame protectant at least single-sidedly, and to roofs comprising these shingles.

IPC 8 full level  
**E04D 1/22** (2006.01); **D06N 3/00** (2006.01); **D06N 5/00** (2006.01)

CPC (source: EP US)  
**D06N 3/0056** (2013.01 - EP US); **D06N 5/00** (2013.01 - EP US); **E04D 1/22** (2013.01 - EP US); **Y10S 428/92** (2013.01 - EP US); **Y10S 428/921** (2013.01 - EP US); **Y10T 428/24364** (2015.01 - EP US); **Y10T 428/24372** (2015.01 - EP US); **Y10T 428/24421** (2015.01 - EP US); **Y10T 428/2443** (2015.01 - EP US)

Cited by  
AT503803B1; AT504704B1

Designated contracting state (EPC)  
AT BE DE DK FI FR IT SE

DOCDB simple family (publication)  
**US 6436510 B1 20020820**; AT E392516 T1 20080515; CA 2235186 A1 19981130; CA 2235186 C 20080722; DE 29709804 U1 19970814; DE 59814217 D1 20080529; EP 0881338 A2 19981202; EP 0881338 A3 20011010; EP 0881338 B1 20080416; NO 981441 D0 19980331; NO 981441 L 19981201

DOCDB simple family (application)  
**US 8642898 A 19980528**; AT 98109718 T 19980528; CA 2235186 A 19980420; DE 29709804 U 19970530; DE 59814217 T 19980528; EP 98109718 A 19980528; NO 981441 A 19980331