

Title (en)  
Roofing shingles

Title (de)  
Dachschindeln

Title (fr)  
Bardeaux de toiture

Publication  
**EP 1659233 A1 20060524 (EN)**

Application  
**EP 06000314 A 20020802**

Priority  
• EP 02756903 A 20020802  
• US 31003101 P 20010803  
• US 33180801 P 20011120

Abstract (en)  
A roofing system having a multiplicity of courses of roofing shingles and interply material comprising at least one course of interply material overlapping at least about ten percent of a first course of shingles and a second course of shingles overlapping at least a portion of the interply material and the first course of shingles. More than about 40% of the first course of shingles is exposed after installation. The roofing system has a class A fire resistant rating. Roofing shingles having particular utility in the roofing system of the present invention are also disclosed. In preferred embodiments the shingles have an exposure width of at least about 60% of the shingle, more preferably at least about 64% of the width of the shingle.

IPC 8 full level  
**E04D 1/26** (2006.01)

CPC (source: EP US)  
**E04D 1/26** (2013.01 - EP US); **E04D 12/002** (2013.01 - EP); **E04D 2001/005** (2013.01 - EP US)

Citation (search report)  
• [X] US 5369929 A 19941206 - WEAVER CASIMIR P [US], et al  
• [X] US 6038826 A 20000321 - STAHL KERMIT E [US], et al  
• [X] US 4274243 A 19810623 - CORBIN RAYMOND L, et al  
• [X] US 1776949 A 19300930 - LUMBARD PHANETTE E  
• [X] US 5400558 A 19950328 - HANNAH MARCIA G [US], et al  
• [PX] US 6367221 B1 20020409 - ELLIOTT BERT WHITMORE [US]  
• [A] US 6014847 A 20000118 - PHILLIPS JOHN D [US]  
• [A] US 3624975 A 19711207 - MORGAN ALBERT R, et al

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

DOCDB simple family (publication)  
**EP 1643053 A2 20060405; EP 1643053 A3 20060412; EP 1643053 B1 20080227**; EP 1659233 A1 20060524; EP 1659233 B1 20080716

DOCDB simple family (application)  
**EP 06000315 A 20020802**; EP 06000314 A 20020802