

Title (en)
FLOORING APPARATUS FOR REDUCING IMPACT ENERGY DURING A FALL

Title (de)
FUSSBODENBELAGSVORRICHTUNG ZUR REDUZIERUNG DER STOSSENERGIE BEI EINEM FALL

Title (fr)
DISPOSITIF DE REVÊTEMENT DE SOL PERMETTANT DE RÉDUIRE L'ÉNERGIE DUE À UN IMPACT LORS D'UNE CHUTE

Publication
EP 2828447 A4 20160713 (EN)

Application
EP 13733840 A 20130103

Priority
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• US 2013020148 W 20130103

Abstract (en)
[origin: WO2013103721A2] An apparatus including an impact surface and a plurality of spaced apart stiffening columns extending from an underside of the flooring plate. The columns remain substantially rigid up to a predetermined critical pressure and then buckle as the pressure increases. The columns are at least partially surrounded by a resilient underlayment. Deflection stops may extend from the flooring plate to prevent over-buckling and/or permanent deformation of the stiffening columns. In some examples, the deflections stops may assist the floor in providing a substantially rigid surface at very high pressures.

IPC 8 full level
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CPC (source: EP)
E04F 15/107 (2013.01); **E04F 15/22** (2013.01); **E04F 2290/044** (2013.01)

Citation (search report)
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• [A] US 2005281999 A1 20051222 - HOFMANN RAY F [US], et al
• [A] US 2005193669 A1 20050908 - JENKINS MARK L [US], et al
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• See references of WO 2013103721A2

Designated contracting state (EPC)
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