

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 A2 20150128 (EN)

Application

EP 13733840 A 20130103

Priority

- US 201213342605 A 20120103
- 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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