

Title (en)
FLEXING BASE SKATE

Title (de)
ROLLSCHUH MIT FLEXIBLER SOHLE

Title (fr)
PATIN A BASE SOUPLE

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Application
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Abstract (en)
[origin: WO0211828A2] A first embodiment of a flexing base skate (100) includes an upper shoe portion (12) mounted on a base (14). The base includes a forefoot region (20) secured to a forward frame segment (26) carrying forward wheels (18a, 18b). A heel region of the base is secured to a rearward frame segment (28) that carries rearward wheels (18c, 18d). The base defines and flexes at a reduced thickness metatarsal head portion (22), with the skater's heel and the rearward frame segment elevating freely relative to the forward frame segment. A spring plate (72) incorporated into the base biases the skate to the unflexed configuration. The forward frame segment overlaps the rearward frame segment for lateral stability. An alternate embodiment (100) provides a rigid full length frame (112) and a flexible base (104) mounted only at the forefoot region (106) to the frame. The base flexes at a metatarsal head portion (108), and is constructed to form an integral spring biasing the base against the frame. The base includes a guide (118) for lateral alignment of the heel region with the frame. Another embodiment (210) provides a forward frame segment (226) carrying three forward wheels (218) and a rearward frame segment (228) carrying a single rearward wheel (218), the rearward frame segment being freely pivotally but longitudinally coupled to the forward frame segment. A fourth embodiment (310) provides a forward frame segment (326) that carries three forward wheels (318) and a rearward frame segment (328) that carries two rearward wheels (318).

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