

**Grimmia ramondii (Lamarck & de Candolle) Margadant –  
Lindb. 1: 128. 1972.**

**Type:** France/Spain, Pyrenees, leg. C. Ramond, lectotype, designated by Muñoz & Pando (2000), B.

**Synonyms:** *Bryum patens* Hedw., *Campylopus patens* (Hedw.) Brid., *Dicranum patens* (Hedw.) Sm., *Dryptodon patens* (Hedw.) Brid., *D. patens* var. *propagulifer* J.J. Amann, *Fissidens patens* (Hedw.) Wahlenb., *Grimmia curvata* (Brid.) De Sloover, *G. serrata* Kindb., *Orthotrichum curvatum* Brid., *Pterigynandrum patens* (Hedw.) Brid., *P. ramondii* Lam. & DC, *Racomitrium patens* (Hedw.) Hüb.

**Distribution:** Afr. 1. Am.1, As.2, Eur.

**Description**

*Grimmia ramondii* forms robust brownish-green, loose, arched-ascending, readily disintegrating patches, blackish below, leaves loosely appressed when dry, patent when moist, broadly ovate-lanceolate, carinate, tapering to an acute, slightly toothed apex, costa stout, projecting on dorsal side with two low wings, hair-points absent, margins recurved on both sides. Distal areolation unistratose, bistratose at margins, mid-leaf cells quadrate to rectangular with incrassate and sinuose walls, basal marginal cells rectangular with smooth walls, basal juxtacostal cells yellow, linear with incrassate and sinuose walls. Sexuality dioicous, capsules on arcuate setae occasionally present, they are exserted, obloid, plicate when empty, operculum rostrate.

**Discussion:**

*Grimmia ramondii*, in Greven (1995) discussed as *G. curvata* (Brid.) De Sloover, deviates from the usual *Grimmia* type by lack of hair-points, tall, loose patches, winged costa, and a slightly toothed apex. At first sight, *G. ramondii* has the habit of a *Racomitrium*; however, the sporophyte, with arcuate seta, is of the *Grimmia* type. Because of its habit and the absence of a central strand, Limpricht (1890) placed it, together with *G. hartmanii* and *G. atrata* in *Dryptodon*, a genus intermediate between *Grimmia* and *Racomitrium*. *G. ramondii* inhabits medium montane areas but it may also be found above the tree line, and in arctic areas it even occurs at sea-level. *G. ramondii* may be confused with *G. hartmanii*, *G. elatior* and some *Racomitrium* species; however, the lack of hair-points and the *Racomitrium*-like areolation distinguishes it easily from the first two species and from *Racomitrium* it differs in a winged costa, unistratose lamina and sporophytic characters.

### **Specimens examined**

**Austria.** Oetztal, Obergurgl, Hohe Mut, alt. 2659, leg. H.C. Greven, nr. 2053; **Belgium.** Prov. Luxemburg, Tavigny, Corvan, Moulin de Neufpré, leg. Ph. de Zuttere, nr. 17935; Angre, Caillou qui Bique, leg. H.C. Greven, nr. 2056; **Bulgaria.** Rila Mountains, Musalla, alt. 2200 m, leg. K. Müller-Liebenov; **Corsica.** Lac de Melo, alt. 1720 m, leg. H.C. Greven, nr. 2915, 2916; Mte. d'Oro, alt. 1350 m, leg. H.C. Greven, nr. 2913; Col de Verde, alt. 1350 m, leg. H.C. Greven, nr. 2914; **France.** Puy de Dôme, Mont-Doré, Val d'Enfer, alt. 1450 m, leg. Ph. de Zuttere, nr. 20273; Cantal, St. Pierre, Puy Violent, alt. 1570 m, leg. Ph. de Zuttere, nr. 20336; The Vosges, Hohneck, alt. 1300 m, leg. H.C. Greven, nr. 2051, 2052, The Vosges, Willer sur Thur, alt. 716 m, leg. H.C. Greven, nr. 2760, The Vosges, Col de la Schlucht, alt. 1050 m, leg. H.C. Greven, nr. 2761; **Portugal.** Serra da Estrela, Val de Amoreira, alt. 1600 m, leg. H.C. Greven, nr. 2057; Serra da Estrela, Covao Ametade, alt. 1500 m, leg. H.C. Greven, nr. 2055, 2059, 2060, 2061; **Scotland.** Loch Mor, alt. 700 m, leg. H.C. Greven, nr. 2054; **Sweden.** Göteborg, Surte, leg. H.C. Greven, nr. 2652; **Wales.** Snowdonia, Llyn Idwal, alt. 120 m, leg. H.C. Greven, nr. 2061, 2062; **Canada:** British Columbia, Glacier Nat. Park, track to Glacier Crest, alt. 1950 m, leg. H.C. Greven nr. 3006, 30-06-1998; British Columbia, Wells Gray Prov. Park, Blue River Wiegele helicopter ski centre, leg. H.C. Greven nr. 3007, 07-07-1998; British Columbia, Fraser Canyon Highway, between China Bar Tunnel and Hell's Gate Tunnel, alt. 250 m, leg. H.C. Greven nr. 3008, 09-07-1998;

### **References:**

- Greven, H.C. 1995. *Grimmia* Hedw. in Europe. Backhuys Publishers, Leiden, The Netherlands.
- Limpricht, K.G. 1890. Die Laubmoose Deutschlands, Oesterreichs und der Schweiz. I. Abtheilung. Kummer, Leipzig.